

above) with a very short process, hardly a spine. Stigmal plate (fig. 17, at left, below) subcircular, quite strongly sculptured.

Length 6.5 mm. (swollen female); shield, 1 mm.

From a raccoon in Live Oak County, Texas (Mitchell and Bishopp).

This species will run to *I. hexagonus* in my table of *Ixodes* in the Revision of Ixodoidea, but it differs at once from that species in the abruptly-ending tarsi, as well as in minor points, as shape of porose areas, etc.

A CATALOGUE OF AMERICAN AQUATIC AND SEMI-AQUATIC HEMIPTERA.

BY G. W. KIRKALDY, F.E.S., and J. R. DE LA TORRE BUENO.

As no catalogue of aquatic Hemiptera has been published for more than thirty years, the present list has been prepared for the use of our colleagues and ourselves. It was our intention at first to restrict it to the species of America north of Mexico, but the American regions and subregions are difficult to limit sharply, and so many northern workers visit the Antilles, Mexico, and even farther south, that we feel that a more comprehensive list will be at once scientific and convenient.

A large amount of material is in our hands for working up, and in due time we hope to replace this list by a critical synopsis of the American aquatic and semiaquatic Hemiptera.

In this list the references have been abridged so that they may be given complete for each genus and species. The genus under which each species has been described is given in parentheses following the name of the species. The numbers of the families, subfamilies, and genera are those in the senior author's List of Genera,^a such as are omitted being those that do not occur in our fauna. This catalogue is intended to include everything published before July 1, 1908.

The following works at least should be in the possession of every worker in aquatic forms in the Heteroptera:

BERGROTH, DR. E., AND BUENO, J. R. DE LA TORRE.

On the aquatic and semi-aquatic Hemiptera collected by Prof. James S. Hine in Guatemala. (First paper.) < Ohio Nat., VIII, pp. 370-382, figs. 1-5.

^a See bibliography, p. 174.

BUENO, J. R. DE LA TORRE.

The genus *Notonecta* in America north of Mexico. < *Journ. N. Y. Ent. Soc.*, XIII, pp. 143-167, pl. 7 (1905).

The three *Ranatras* of the north-eastern United States. < *Can. Ent.*, XXXVII, pp. 187-188 (1905).

The cryptocerate Hemiptera of America in the writings of Professor Arnold L. Montandon. < *Proc. Ent. Soc. Wash.*, VIII, pp. 45-58 (1906).

Diplonychus, Laporte (= *Hydrocyrius*, Spinola) and its relation to the other belostomatid genera. < *Can. Ent.*, XXXIX, pp. 333-341 (1907).

CHAMPION, G. C.

Biologia Centrali-Americanana, Insecta Rhynchota, Hemiptera-Heteroptera, II, pp. 117-158 (1898), and pp. 338-383 (1900-1901), with pls. 8, 9, and 20-22.

DUFOUR, L.

Recherches anatomiques sur les Hémiptères. < *Mém. sav. étr. Ac. Sci. France*, IV, pp. 129, etc. (1833).

FIEBER, F. X.

Entomologische monographien. < *Abh. böhm. Ges. Wiss.* (v), 3, pp. 289-297, pls. 1-2 (pt.) (1844).

Genera Hydrocoridum. < *Abh. böhm. Ges. Wiss.* (v), 7, pp. 183-211, pls. 1-4 (1851).

Species generis Corisa. < *Abh. böhm. Ges. Wiss.* (v), 7, pp. 213-260, pls. 1-2 (1851).

HAHN, C. W., and HERRICH-SCHÄFFER, G. A. W.

Die wanzenartigen insekten. 9 vols., 324 plates, Nürnberg (1831-1853).

HEYMONS, R.

Beiträge zur morphologie und entwickelungsgeschichte der Rhynchosoten. < *Nov. Act. Leop. Car. Ak. Nat.*, Halle, LXXIV, pp. 349-456, pls. 15-17 (1899).

KIRKALDY, G. W.

Revision of the Notonectidae. Part I. Introduction, and systematic revision of the genus *Notonecta*. < *Trans. Ent. Soc. Lond.*, 1897, pp. 393-426.

The stridulating organs of waterbugs, especially of Corixidae. < *Journ. Quekett Micr. Club* (2), VIII, pp. 33-46, pls. 3-4 (1901).

A guide to the study of British waterbugs. < *Entomologist*, XXXI, pp. 177, and serially to the year 1906, 2 plates (1898-1908).

Über Notonectiden. < *Wiener Ent. Zeit.*, XXIII, pp. 93-135 (1904).

List of the genera of the pagiopodous Hemiptera-Heteroptera, etc. < *Trans. Am. Ent. Soc.*, XXXII, pp. 117-156 (1906).

MAYR, G.

Die Belostomiden. < *Verh. zool.-bot. Ges. Wien*, XXI, pp. 399-440 (1871).

MONTANDON, A. L. (See List of works by Bueno.)

REUTER, O. M.

Species palæarcticæ generis *Acanthia* Fabr., Latr. < *Act. Soc. Sci.*

Fenn., **xxi**, No. 2, pp. 1-58, pl. 1 (1895).

STÅL, C.

Enumeratio Hemipterorum, v. < *Svensk. Vet.-Ak. Handl.*, **14**, No. 4 (1876).

UHLER, P. R. (See List of works by Henshaw, *Psyche*, **x**, pp. 31-34 and 123-125, 1903.)

WHITE, F. B.

Notes on *Corixa*. < *Ent. Mo. Mag.*, **x**, pp. 60-63, 75-80 (1873).

Report on the pelagic Hemiptera. < *Rep. Challenger, Zool.*, **vii**, pt. 19, pp. 1-82, pls. 1-3 (1883).

Division A. PAGIOPODA.

Family 6. ACANTHIIDÆ.

Salidæ, Lethierry et Severin.

Subfamily 1. ACANTHIINÆ.

Genus 1. ACANTHIA Fabricius.

1775, *Syst. Ent.*, p. 693.

Acanthie Latreille, 1825.

Salda of many authors.

abdominalis (*Salda*) Champion, 1900, *Biol. C.-Am., Hem.-Het.*, **II**, p. 339, pl. 20, fig. 10.

Habitat: Guatemala.

andensis (*Acanthia*) Distant, 1893, *Trans. Ent. Soc. Lond.*, p. 93; (*Whymper's Trav. Gt. Andes*, app., p. 118, fig., 1892; not described).

Habitat: Ecuador.

anthracina (*Salda*) Uhler, 1877, *Bul. U. S. Geol. Surv.*, **III**, p. 438.

Habitat: New York; Pennsylvania.

araucanica (*Acanthia*) Kirkaldy, 1899, *Rev. d'Ent.*, **xviii**, p. 93.

Habitat: Chile.

argentina (*Salda*) Berg, 1879, *Hem. Arg.*, p. 293.

Habitat: Argentina.

bouchervillei (*Sciadopterus*) Provancher, 1872, *Nat. Canad.*, **IV**, p. 106, and 1886, *Faune Ent. Can.*, **III**, p. 192.

Habitat: Canada.

chilensis (*Acanthia*) Blanchard, 1852, *Gay's Chile, Zool.*, **vii**, p. 225, *Hem. pl. 2*, fig. 15.

Habitat: Chile.

comata (*Salda*) Champion, 1900, *Biol. C.-Am., Hem.-Het.*, **II**, p. 338, pl. 20, fig. 6.

Habitat: Mexico.

- confuenta** (Acanthia) Say, 1832, Descr. Het. Hem., p. 35 (Fitch reprint, p. 805).
confusa LeConte, 1859, Compl. Wtgs. Say, I, p. 361.
Habitat: Ontario; New York; New Jersey; Illinois; Michigan; Texas.
- coriacea** (Salda) Uhler, 1872, Fifth Rept. U. S. Geol. Surv., p. 421.
Habitat: British Columbia; Mackenzie R.; Winnipeg, Manitoba; Quebec; Massachusetts; New Jersey; Pennsylvania; Illinois; Colorado; Utah.
- coxalis** (Salda) Stål, 1873, Svensk. Vet.-Ak. Handl., XI, No. 2, p. 149.
Habitat: Cuba.
- crassicornis** (Salda) Uhler, 1877, Bul. U. S. Geol. Surv., III, p. 438.
Habitat: Saskatchewan.
- deplanata** (Salda) Uhler, 1877, Bul. U. S. Geol. Surv., III, p. 442.
Habitat: Saskatchewan; "Assiniboa;" Mackenzie R.; Ontario; Quebec; Maine; New Hampshire; Massachusetts; New York; New Jersey; Maryland; Illinois; Michigan; Minnesota; Iowa; Missouri; Kansas; Texas; New Mexico.
- dispersa** (Salda) Uhler, 1893, Proc. Ent. Soc. Wash., II, p. 383.
Habitat: Colorado; Utah.
- elongata** (Salda) Uhler, 1877, Bul. U. S. Geol. Surv., III, p. 448.
Habitat: British Columbia.
- explanata** (Salda) Uhler, 1893, Proc. Ent. Soc. Wash., II, p. 383.
Habitat: Utah.
- hirta** (Acanthia) Say, 1832, Descr. Het. Hem., p. 34 (Fitch reprint, p. 804); 1859, Compl. Wtgs., I, p. 359.
Habitat: Indiana.
- humilis** (Acanthia) Say, 1832, Descr. Het. Hem., p. 35 (Fitch reprint, p. 805); 1859, Compl. Wtgs., I, p. 360.
Habitat: Ontario; Maine; Massachusetts; Rhode Island; New York; New Jersey; Pennsylvania; Maryland; District of Columbia; North Carolina; Georgia; Florida; Illinois; Texas; Colorado; California; Cuba; St. Vincent; Grenada.
- interstitialis** (Acanthia) Say, 1825, Journ. Ac. Nat. Sci. Phila., IV, p. 324; 1859, Compl. Wtgs., II, p. 248.
Habitat: British Columbia; Maine; Massachusetts; New York; New Jersey; Maryland; Illinois; Michigan; Missouri; Nebraska; Texas; Colorado; New Mexico; California; Cuba; Haiti.
- lævis** (Salda) Champion, 1900, Biol. C.-Am., Hem.-Het., II, p. 339, pl. 20, fig. 3.
Habitat: Guatemala.
- laticollis** (Acanthia) Reuter, 1875, Pet. Nouv. Ent., p. 544; 1879, Oefv. Finsk. Vet. Förh., XXI, p. 61.
Habitat: Alaska.

- ligata** (Acanthia) Say, 1832, Descr. Het. Hem., p. 34 (Fitch reprint, p. 804); 1859, Compl. Wtgs., I, p. 359.
variegata (Salda) Provancher, 1872, Nat. Canad., IV, p. 107.
 Habitat: Winnipeg; Manitoba; Ontario; Quebec; Maine; Massachusetts; New York; Maryland; North Carolina; Indiana; Illinois; Minnesota; Iowa; Nebraska.
- littoralis** (Cimex) Linnaeus, 1758, Syst. Nat., Ed. x, p. 442; Reuter, 1895, Act. Soc. Sci. Fenn., XXI, pt. 2, p. 8.
 Habitat: ? Canada; ? Illinois; ? Utah.
- luctuosa** (Salda) Stål, 1859, Eugenie's Resa, Ins., p. 263.
 Habitat: California.
- lugubris** (Acanthia) Say, 1832, Descr. Het. Hem., p. 34 (Fitch reprint, p. 804); 1859, Compl. Wtgs., I, p. 360.
 Habitat: Ontario; Maine; Massachusetts; Rhode Island; New York; Pennsylvania; Maryland; Illinois; Michigan; Wisconsin; Missouri; Texas; New Mexico.
- major** (Salda) Provancher, 1872, Nat. Canad., IV, p. 107, and 1886, Faune Ent. Canad., III, p. 190.
 Habitat: Canada.
- obscura** (Salda) Provancher, 1872, Nat. Canad., IV, p. 107; 1886, Faune Ent. Canad., III, p. 190.
 Habitat: Canada.
- opacipennis** (Salda) Champion, 1900, Biol. C.-Am., Hem.-Het., II, p. 338, pl. 20, fig. 5.
 Habitat: Mexico.
- opacula** (Salda) Zetterstedt, 1838, Ins. Lapp., p. 268; Reuter, 1895, Act. Soc. Sci. Fenn., XXI, pt. 2, p. 19, pl. I, fig. 7.
 Habitat: Massachusetts. (Also Europe and Siberia.)
- orbiculata** (Salda) Uhler, 1877, Bul. U. S. Geol. Surv., III, p. 450.
 Habitat: Massachusetts; New York; Pennsylvania; Illinois; Texas; California.
- pallipes** (Acanthia) Fabricius, 1794, Ent. Syst., IV, p. 17; Reuter, 1895, Act. Soc. Sci. Fenn., XXI, pt. 2, p. 21.
 Habitat: Ottawa; Ontario; Quebec; Sitka, Alaska; Connecticut; New Jersey; Maryland; Colorado; New Mexico; Utah; California; Cuba; Santo Domingo.
- pellita** (Salda) Uhler, 1877, Bul. U. S. Geol. Surv., III, p. 433.
 Habitat: Massachusetts.
- politula** (Salda) Uhler, 1877, Bul. U. S. Geol. Surv., III, p. 441.
 Habitat: Colorado; California.
- quadrимaculata** (Salda) Champion, 1900, Biol. C.-Am., Hem.-Het., II, p. 339, pl. 20, fig. 8.
 Habitat: Panama.
- reperta** (Salda) Uhler, 1877, Bul. U. S. Geol. Surv., III, p. 447.
 Habitat: Ontario; Massachusetts; New York; New Jersey.

rogeri (Acanthia) Kirkaldy, 1899, Rev. d'Ent., XVIII, p. 92.

Habitat: Chile.

saltatoria (Cimex) Linnaeus, 1758, Systema Naturæ, Ed. x, p. 448;

Reuter, 1895, Act. Soc. Sci. Fenn., XXI, pt. 2, p. 15, pl. 2, fig. 6.

Habitat: British Columbia; Maine; New York; Illinois; Nebraska; (Sitka, Alaska?); Guatemala. (Also Europe and Siberia.)

scotica (Salda) Curtis, 1835, Brit. Ent., XII, p. 548; Reuter, 1895, Act. Soc. Sci. Fenn., XXI, pt. 2, p. 12.

Habitat: Illinois; Utah. (Also Europe and Siberia.)

separata (Salda) Uhler, 1878, Proc. Bost. Soc. Nat. Hist., XIX, p. 432.

Habitat: Western Canada; New Hampshire; Massachusetts; Pennsylvania.

signoretii (Salda) Guérin, 1856, in Sagra's Hist. Cuba, pt. 2, VII, p. 167; VIII, Articulata (Insecta), pl. 13, fig. 10.

ornata (Salda) Stål, 1862, Stett. Ent. Zeit., XXIII, p. 458.

Habitat: Massachusetts; New York; New Jersey; Maryland; North Carolina; Georgia; Kansas; Texas; Mexico; Cuba.

sphacelata (Salda) Uhler, 1877, Bul. U. S. Geol. Surv., III, p. 434.

Habitat: Massachusetts; New Jersey; Maryland; Texas.

stellata (Acanthia) Curtis, 1835, Ross's Second Voy., App., p. LXXV.

Habitat: North American arctic regions.

sulcicollis (Salda) Champion, 1900, Biol. C.-Am., Hem.-Het., II, p. 338, pl. 20, fig. 4.

Habitat: Mexico; Guatemala; Costa Rica; Panama.

tropicalis (Salda) Champion, 1900, Biol. C.-Am., Hem.-Het., II, p. 338, pl. 20, fig. 7.

Habitat: Guatemala; Panama.

ventralis (Salda) Stål, 1860, Svensk. Vet.-Ak. Handl., 2, No. 7, p. 81.

Habitat: Guatemala; Panama; Brazil.

rubromaculata (Salda) Heidemann, 1901, Proc. Wash. Ac. Sci., III, p. 368.

Habitat: Galapagos Islands (Ecuador).

Genus 2. SALDOIDA Osborn.

1901, Can. Ent., XXXIII, p. 181.

slossoni Osborn, 1901, Can. Ent., XXXIII, p. 181.

Habitat: Florida.

cornuta Osborn, 1901, Can. Ent., XXXIII, p. 182.

Habitat: Florida.

Family 7. OCHTERIDÆ.

Pelagonidae of some authors.

Genus 1. OCHTERUS Latreille.

1807, Gen. Crust. et Ins., III, p. 142.*Pelagonus* Latreille, 1809, Gen. Crust. et Ins., IV, p. 384.*Pelegonus* Laporte de Castelnau, 1832, Essai Hém., pp. 6, 13.**acutangulus** (*Pelagonus*) Champion, 1901, Biol. C.-Am., Hem.-Hem., II, pp. 345, 346, pl. 20, figs. 15, 15a.

Habitat: Guatemala.

aeneifrons (*Pelagonus*) Champion, 1901, Biol. C.-Am., Hem.-Hem., II, pp. 344, 345, pl. 20, figs. 12, 13.*marginatus* (*Pelagonus*) Uhler, 1893, Proc. Zool. Soc. Lond., p. 706, and 1894, p. 222, in part (not Latreille).

Habitat: Mexico; Guatemala; Panama; St. Vincent; Grenada; Trinidid.

americanus (*Pelagonus*) Uhler, 1876, Bul. U. S. Geol. and Geog. Surv., I, p. 335.

Habitat: Massachusetts; New York; New Jersey; Pennsylvania; Maryland; North Carolina; Illinois; Nebraska; Texas; Arizona.

perboscii (*Pelagonus*) Guérin, 1843, Rev. Zool., p. 113; Champion, 1901, Biol. C.-Am., Hem.-Hem., II, pl. 20, fig. 11.*marginatus* (*Pelagonus*) Uhler, 1893, Proc. Zool. Soc. Lond., p. 706, and 1894, p. 222 (in part) (not Latreille).

Habitat: Mexico; Cuba; St. Vincent; Grenada.

splendidulus (*Pelagonus*) Montandon, 1898, Bul. Mus. Hist. Nat. Paris, No. 2, p. 73.

Habitat: Ecuador.

victor (*Pelegonus*) Bolivar, 1879, An. Soc. Espan. Hist. Nat., VIII, p. 144.

Habitat: Ecuador.

viridifrons (*Pelagonus*) Champion, 1901, Biol. C.-Am., Hem.-Hem., II, pp. 345, 346, pl. 20, fig. 14.

Habitat: Guatemala.

Genus 2. PELORIDIUM Breddin.

1897, Hamb. Magalh. Sammelsreis, Hem., p. 12.*Nordenskjöldiella* Haglund, 1899, Svensk. Exped. Magalh., II, p. 176.**hammoniorum** (*Peloridium*) Breddin, 1897, Hamb. Magalh. Sammelsreis, Hem., p. 12, fig. 4.*insignis* (*Nordenskjöldiella*) Haglund, 1899, Svensk. Exped. Magalh., II, p. 176.

Habitat: Tierra del Fuego, Navarin Isl.

Family 8. NERTHRIDÆ.

Galgulidæ, formerly.*Gelastocoridæ*, Kirkaldy, Champion, Bueno.

Subfamily 1. GELASTOCORINÆ.

Genus 1. GELASTOCORIS Kirkaldy.

1897, Entomologist, xxx, p. 258.^a*Galgulus* Latreille, 1802, Hist. Nat. Ins., III, p. 253.

bufo (*Galgulus*) Herrich-Schäffer, 1840, Wanz. Ins., v, p. 288, pl. 184, fig. 536; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 20, figs. 16, 17, 17a.

Habitat: Mexico; Guatemala; Costa Rica.

flavus (*Galgulus*) Guérin, 1844, Iconographie, Ins., p. 351, pl. 57, fig. 4.

Habitat: Costa Rica; Panama; Brazil; Peru; Bolivia.

nebulosus (*Galgulus*) Guérin, 1844, Iconographie, Ins., p. 351.

Habitat: Brazil; Bolivia; Argentina.

oculatus (*Naucoris*) Fabricius, 1798, Ent. Syst. Suppl., p. 525; Lugger, 1900, Sixth Ann. Rept. Ent. Minn., p. 23, fig. 16.

Habitat: New York; New Jersey; Pennsylvania; District of Columbia; Maryland; North Carolina; Ohio; Illinois; Michigan; Minnesota; Tennessee; "Indian Territory;" Colorado; Arizona.^b

pulcher (*Galgulus*) Stål, 1854, Ofv. Vet.-Ak. Förh., xi, p. 239.

Habitat: Mexico.

quadrimaculatus (*Galgulus*) Guérin, 1844, Iconographie, Ins., p. 351.

Habitat: Brazil; Bolivia.

ståli Bueno (n. nom.).

nebulosus (*Galgulus*) var. *b.*, Stål, 1876, Svensk. Vet.-Ak. Handl., 14, No. 4, p. 137.

Habitat: Brazil.

rotundatus (*Gelastocoris*) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 347, pl. 20, fig. 18.

Habitat: Mexico; Guatemala.

^a In this genus all the species have been revived, as it is nearly certain that, being described by color characters only, many species have been confused, and until a revision of the genus is made it will not be possible to be absolutely sure of any synonymy in the group.

^b The species is stated by various authors to be found in the following places, but the localities appear doubtful, at best, to the authors: Texas; Mexico; Guatemala; Honduras; Nicaragua; Costa Rica; Panama. Uhler also cites Lower California, but he is manifestly in error, as the insect from the West Coast is absolutely different from that from the type locality, Carolina. Brazil and Bolivia are also cited, but not accepted by us.

variegatus (*Galculus*) Guérin, 1844, *Iconographie, Ins.*, p. 352; Champion, 1901, *Biol. C.-Am., Hem.-Het.*, II, pl. 20, figs. 19, 20.

Habitat: Mexico; Guatemala; Costa Rica; Panama.^a

vicinus (*Gelastocoris*) Champion, 1901, *Biol. C.-Am., Hem.-Het.*, II, p. 349.

Habitat: Mexico; Guatemala; Nicaragua; Costa Rica; Panama to Brazil.

Subfamily 2. *NERTHRINÆ.*

Mononychina Montandon.

Monychina Stål.

Genus 1. **MONONYX** Laporte de Castelnau.

1832, *Essai Hém.*, pp. 15, 16.

Phintius Stål, 1861, *Öfv. Vet.-Ak. Förh.*, XVIII, p. 201.

amplicollis (*Mononyx*) Stål, 1854, *Öfv. Vet.-Ak. Förh.*, XI, p. 239.

Habitat: Costa Rica; Colombia; Venezuela; Ecuador; Bolivia.

fuscipes (*Mononyx*) Guérin, 1843, *Rev. Zool.*, p. 114.

badius (*Mononyx*) Herrich-Schäffer, 1849, *Wanz. Ins.*, IX, p. 27, fig. 894.

obscurus (*Mononyx*) Stål, 1854, *Öfv. Vet.-Ak. Förh.*, XI, p. 239.

raptorius (*Mononyx*) Uhler, 1894, *Proc. Zool. Soc. Lond.*, p. 223 (not Fabricius).

Habitat: California; Mexico; British Honduras; Guatemala; Nicaragua; Costa Rica; Panama; Grenada; Colombia.

latus (*Mononyx*) Montandon, 1899, *Bul. Soc. Sci. Euc.*, VIII, p. 399.

Habitat: Colombia; Ecuador; Peru; Bolivia.

nepæformis (*Naucoris*) Fabricius, 1775, *Syst. Ent.*, p. 693.

raptorius (*Mononyx*) Burmeister, 1835, *Handbuch*, II, p. 201.

bipunctatus (*Mononyx*) Stål, 1854, *Öfv. Vet.-Ak. Förh.*, XI, p. 239; Champion, 1901, *Biol. C.-Am., Hem.-Het.*, II, pl. 20, figs. 27, 27a.

Habitat: Mexico; Guatemala; Costa Rica; Antigua; Colombia; Guianas; Brazil; Bolivia; Argentina.

parvulus (*Mononyx*) Signoret, 1864, *Ann. Soc. Ent. France*, (4), IV, p. 588.

Habitat: Chile.

peruvianus (*Mononyx*) Montandon, 1905, *Ann. Mus. Nat. Hung.*, III, p. 403.

Habitat: Peru.

^a Other localities given are: South Carolina; Georgia; Florida; Texas; Cuba; Amazon R. (Brazil), and Argentina. All these are based on the misidentification of undescribed species. Uhler gives California as another region inhabited by this bug, but his form has been seen by the authors and is an undescribed species.

raninus (Mononyx) Herrich-Schäffer, 1849, Wanz. Ins., ix, p. 28, pl. 291, fig. 896.

Habitat: Colombia; Venezuela; Brazil; Paraguay; Argentina.

raptorius (Naucoris) Fabricius, 1803, Syst. Rhyng., p. 111; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 20, figs. 27, 27a.

fuscoconspersus (Mononyx) Stål, 1860, Svensk. Vet.-Ak. Handl., II, No. 7, p. 82.

Habitat: Mexico; Panama; Grenada; Colombia; Dutch Guiana; Brazil; Paraguay; Argentina.

Genus 2. MATINUS Stål.

1861, Öfv. Vet.-Ak. Förh., XVIII, p. 201.

americanus (Matinus) Montandon, 1905, Ann. Mus. Nat. Hung., III, p. 404.

Habitat: Brazil.

Genus 4. NERTHRA Say.

1832, Desc. Het. Hem., p. — (Fitch reprint, p. 809); 1859, Compl. Wtgs., I, p. 363.

stygica (Naucoris) Say, 1832, Desc. Het. Hem., p. — (Fitch reprint, p. 808); 1859, Compl. Wtgs., I, p. 364; Bueno, 1905, Ohio Nat., V, p. 288, fig. 1.

Habitat: Georgia; Florida.^a

Family 9. NAUCORIDÆ.

Subfamily 3. NAUCORINÆ.

Genus 1. LIMNOCORIS Stål.

1860, Svensk. Vet.-Ak. Handl., II, No. 7, p. 83.

Borborocoris Stål, 1861, Öfv. Vet.-Ak. Förh., XVIII, p. 202.

bergrothi (Limnocoris) Montandon, 1898, Verh. zool.-bot. Ges. Wien, XLVIII, pp. 416, 420.

Habitat: Venezuela.

borellii (Limnocoris) Montandon, 1897, Boll. Mus. Zool. Anat. Comp. Torino, XII, No. 279, p. 3.

Habitat: Bolivia.

bouvieri (Limnocoris) Montandon, 1898, Verh. zool.-bot. Ges. Wien, XLVIII, pp. 415, 418.

Habitat: Colombia.

^a Also recorded by Uhler (Hem. Lower Cal.) as occurring in the Western United States. This is erroneous, the insects we have seen labelled *Nerthra* being one or another species of *Mononyx*.

- dubiosus** (*Limnocoris*) Montandon, 1898, Verh. zool.-bot. Ges. Wien, XLVIII, pp. 416, 422.
Borborocoris pallescens Signoret, MS.
 Habitat: Martinique; Colombia; Chile.
- horvathi** (*Limnocoris*) Montandon, 1900, Termész. Füz., xxiii, p. 420.
 Habitat: Peru.
- inornatus** (*Limnocoris*) Montandon, 1898, Verh. zool.-bot. Ges. Wien, XLVIII, pp. 417, 423; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, fig. 14.
 Habitat: Guatemala.
- insignis** (*Naucoris*) Stål, 1860, Svensk. Vet.-Ak. Handl., II, No. 7, p. 83.
 Habitat: Brazil.
- insularis** (*Limnocoris*) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 359, pl. 21, fig. 16 (from type).
 Habitat: Honduras.
- maculiceps** (*Limnocoris*) Montandon, 1898, Verh. zool.-bot. Ges. Wien, XLVIII, pp. 417, 424.
 Habitat: Brazil.
- obscurus** (*Limnocoris*) Montandon, 1898, Verh. zool.-bot. Ges. Wien, XLVIII, pp. 416, 419.
 Habitat: Colombia.
- ochraceus** (*Limnocoris*) Montandon, 1898, Verh. zool.-bot. Ges. Wien, XLVIII, pp. 416, 421.
 Habitat: Colombia.
- ovatus** (*Limnocoris*) Montandon, 1897, Boll. Mus. Zool. Anat. Comp. Torino, XII, No. 297, p. 5.
 Habitat: Argentina.
- pallescens** (*Borborocoris*) Stål, 1861, Öfv. Vet.-Ak. Förh., xviii, p. 202.
 Habitat: Colombia; Venezuela.
- pauper** (*Limnocoris*) Montandon, 1897, Boll. Mus. Zool. Anat. Comp. Torino, XII, No. 297, p. 5.
 Habitat: Brazil.
- pectoralis** (*Limnocoris*) Montandon, 1897, Boll. Mus. Zool. Anat. Comp. Torino, XII, No. 297, p. 6.
 Habitat: Peru; Argentina.
- profundus** (*Naucoris*) Say, 1832, Descr. Het. Hem., p. — (Fitch reprint, p. 809); 1859, Compl. Wtgs., I, p. 363.
 Habitat: Mexico.
- pusillus** (*Limnocoris*) Montandon, 1897, Boll. Mus. Zool. Anat. Comp. Torino, XII, No. 297, p. 8.
 Habitat: Brazil.
- signoreti** (*Limnocoris*) Montandon, 1897, Boll. Mus. Zool. Anat. Comp. Torino, XII, No. 297, p. 5.
 Habitat: Mexico.

stâli (*Limnocoris*) Montandon, 1897, *Boll. Mus. Zool. Anat. Comp.* Torino, XII, No. 297, p. 4; Champion, 1901, *Biol. C.-Am., Hem.-Hes.*, II, pl. 21, fig. 12 (from type).

profundus (*Naucoris*) Stål, 1860, *Svensk. Vet.-Ak. Handl.*, II, No. 7, p. 83 (not Say).

Habitat: Guatemala; Colombia; Venezuela; Bolivia.

virescens (*Limnocoris*) Montandon, 1897, *Boll. Mus. Zool. Anat. Comp.* Torino, XII, No. 297, p. 7; Champion, 1901, *Biol. C.-Am., Hem.-Hes.*, II, pl. 21, fig. 15.

Habitat: Mexico; Costa Rica.

volxemi (*Borborocoris*) Lethierry, 1877, *Ann. Soc. Ent. Belg.*, XX, p. 41.

Habitat: South America. (Wrongly attributed to Portugal.)

Genus 5. HELEOCORIS Stål.

1876, *Svensk. Vet.-Ak. Handl.*, XIV, No. 4, p. 142.

spinipes (*Heleocoris*) Montandon, 1897, *Verh. zool.-bot. Ges. Wien*, XLVII, p. 447.

Habitat: Brazil.

Genus 9. PELOCORIS Stål.

1876, *Svensk. Vet.-Ak. Handl.*, XIV, No. 4, p. 142.

binotulatus (*Naucoris*) Stål, 1860, *Svensk. Vet.-Ak. Handl.*, II, No. 7, p. 83.

Habitat: Panama; Brazil; Argentina.

bipunctulus (*Naucoris*) Herrich-Schäffer, 1849, *Wanz. Ins.*, IX, p. 39, pl. 293, fig. 900.

Habitat: Brazil.

carolinensis (*Pelocoris*) Bueno, 1907, *Can. Ent.*, XXXIX, p. 227.

Habitat: North Carolina; South Carolina; Florida.

femoratus (*Naucoris*) Palisot de Beauvois, 1805, *Ins. rec. Afr. Am.*, p. 237, pl. 20, fig. 4.

poeyi (*Naucoris*) Guérin, 1844, *Iconographic, Ins.*, p. 352, pl. 57, fig. 5.

Habitat: Canada; Massachusetts; New York; New Jersey; Pennsylvania; Maryland; "Carolina"; Florida; Illinois; Michigan; Wisconsin; Minnesota; Tennessee; Louisiana; Mexico; Guatemala; Panama; Cuba; Jamaica; St. Barthélémy; Guadeloupe; Grenada; Colombia; Venezuela; Uruguay.^a

^a Here again we have a distribution too extensive and too scattered to be real. The species of the genus are so similar in coloration that the description of one can apply to several. Consequently, any other localities than those north of Mexico and on the Atlantic seaboard should be regarded as open to question, at least for the present.

- horvathi** (*Pelocoris*) Montandon, 1905, Ann. Mus. Nat. Hung., III, p. 504.
 Habitat: Brazil.
- impicticollis** (*Pelocoris*) Stål, 1876, Svensk. Vet.-Ak. Handl., XIV, No. 4, p. 144.
 Habitat: Brazil.
- lautus** (*Pelocoris*) Berg, 1879, Hem. Arg., p. 188.
 Habitat: Argentina.
- magister** (*Pelocoris*) Montandon, 1898, Bull. Soc. Sci. Buc., VII, p. 289.
 Habitat: Brazil.
- minutus** (*Pelocoris*) Montandon, 1895, Boll. Mus. Zool. Anat. Comp. Torino, X, No. 219, p. 9.
 Habitat: Paraguay.
- nigriculus** (*Pelocoris*) Berg, 1879, Hem. Arg., p. 188.
 Habitat: Argentina.
- nitidus** (*Pelocoris*) Montandon, 1898, Bull. Soc. Sci. Buc., VII, p. 287.
 Habitat: Panama; Venezuela; Brazil.
- politus** (*Pelocoris*) Montandon, 1895, Boll. Mus. Zool. Anat. Comp. Torino, X, No. 219, p. 8.
 Habitat: Paraguay; Argentina.
- procurrens** (*Pelocoris*) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 489.
 Habitat: Brazil.
- subflavus** (*Pelocoris*) Montandon, 1898, Bull. Soc. Sci. Buc., VII, p. 288.
 Habitat: Brazil.

Genus 14. CRYPTOCRICOS Signoret.

1850, Rev. Mag. Zool., p. 289.

Cryptocricus Mayr, 1866, Novara Exped., Hem., p. 182.

Cryptocricus Stål, 1876, Svensk. Vet.-Ak. Handl., XIV, No. 4, p. 141.

- barozzi** (*Cryptocricos*) Signoret, 1850, Rev. Mag. Zool., p. 290, pl. 4, fig. 10.
 Habitat: Brazil; Chile.
- macrocephalus** (*Cryptocricus*) Montandon, 1897, Bull. Mus. Hist. Nat. Paris, No. 4, p. 124; Champion, 1901, Biol. C.-Am., Hem.-Hét., II, pl. 21, figs. 2, 2a, 2b.
 Habitat: Mexico; Guatemala.

Genus 16. AMBRYSUS Stål.

1862, Stett. Ent. Zeit., XXIII, p. 459.

- acutangulus** (*Ambrysus*) Montandon, 1897, Bull. Mus. Hist. Nat. Paris, No. 4, p. 126.
 Habitat: Argentina.

- attenuatus** (*Ambrysus*) Montandon, 1897, Verh. zool.-bot. Ges. Wien, XLVII, pp. 7, 11.
 Habitat: Brazil.
- bergi** (*Ambrysus*) Montandon, 1897, Verh. zool.-bot. Ges. Wien, XLVII, p. 19.
 Habitat: Argentina.
- californicus** (*Ambrysus*) Montandon, 1897, Verh. zool.-bot. Ges. Wien, XLVII, p. 18.
 Habitat: Mexico (Lower California).
- crenulatus** (*Ambrysus*) Montandon, 1897, Verh. zool.-bot. Ges. Wien, XLVII, pp. 11, 13.
 Habitat: Colombia.
- fraternus** (*Ambrysus*) Montandon, 1897, Bull. Mus. Hist. Nat. Paris, No. 4, p. 127.
 Habitat: Brazil.
- fucatus** (*Ambrysus*) Berg, 1879, Hem. Arg., p. 187.
 Habitat: Argentina.
- géayi** (*Ambrysus*) Montandon, 1897, Bull. Mus. Hist. Nat. Paris, No. 4, p. 127.
 Habitat: Panama.
- guttatipennis** (*Ambrysus*) Stål, 1876, Svensk. Vet.-Ak. Handl., XIV, No. 4, p. 143; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, fig. 10.
 Habitat: Mexico.
- hybridus** (*Ambrysus*) Montandon, 1897, Verh. zool.-bot. Ges. Wien, XLVII, pp. 13, 22; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, fig. 9.
 Habitat: Mexico.
- melanopterus** (*Ambrysus*) Stål, 1862, Stett. Ent. Zeit., XXIII, p. 460; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, fig. 7.
 Habitat: Texas; Arizona; Mexico; Costa Rica.
- mexicanus** (*Ambrysus*) Montandon, 1897, Verh. zool.-bot. Ges. Wien, XLVII, pp. 13, 21; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, fig. 8.
 Habitat: Mexico.
- oblongulus** (*Ambrysus*) Montandon, 1897, Verh. zool.-bot. Ges. Wien, XLVII, pp. 11, 14; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, fig. 3.
 Habitat: Costa Rica; Panama.
- obscuratus** (*Ambrysus*) Montandon, 1898, Bull. Soc. Sci. Buc., VII, p. 382.
 Habitat: Brazil.
- parviceps** (*Ambrysus*) Montandon, 1897, Verh. zool.-bot. Ges. Wien, XLVII, pp. 12, 17; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, fig. 6.
 Habitat: Mexico; Brazil.

- poeyi** (*Naucoris*) Amyot et Serville, 1843, *Hist. Nat. Hém.*, p. 434, pl. 8, fig. 5.
signoreti (*Ambrysus*) Stål, 1862, *Stett. Ent. Zeit.*, xxiii, p. 460.
 Habitat: Colorado; New Mexico; Arizona; Mexico.
pudicus (*Ambrysus*) Stål, 1862, *Stett. Ent. Zeit.*, xxiii, p. 460; Champion, 1901, *Biol. C.-Am., Hem.-Het.*, ii, pl. 21, fig. 5.
 Habitat: California; Wyoming; Mexico.
pulchellus (*Ambrysus*) Montandon, 1897, *Verh. zool.-bot. Ges. Wien*, XLVII, pp. 11, 16; Champion, 1901, *Biol. C.-Am., Hem.-Het.*, ii, pl. 21, figs. 4, 4a.
 Habitat: Mexico; Guatemala.
puncticollis (*Ambrysus*) Stål, 1876, *Svensk. Vet.-Ak. Handl.*, xiv, No. 4, p. 143.
 Habitat: Texas; Arizona.

Family 10. BELOSTOMATIDÆ.

Belostomidæ of authors.

Nepidæ of authors, in part.

Genus 1. BENACUS Stål.

1862, *Öfv. Vet.-Ak. Förh.*, xix, p. 205.

Belostoma of authors (not Latr.) in part.

- griseus** (*Belostoma*) Say, 1832, *Descr. Het. Hem.*, p. 39 (Fitch reprint, p. 809); 1859, *Compl. Wtgs.*, i, p. 365; Riley, 1895, *Proc. Ent. Soc. Wash.*, iii, p. 86, fig. 5.
haldemanus (*Belostoma*) Leidy, 1847, *Journ. Acad. Nat. Sci. Phila.*, (2), i, p. 66.
impressus (*Belostoma*) Haldeman, 1853, *Proc. Acad. Nat. Sci. Phila.*, vi, p. 364.
harpar (*Belostoma*) Stål, 1854, *Öfv. Vet.-Ak. Förh.*, xi, p. 240.
ruficeps (*Belostoma*) Dufour, 1863, *Ann. Soc. Ent. France*, (4), iii, p. 382.
distinctum (*Belostoma*) Dufour, 1863, *Ann. Soc. Ent. France*, (4), iii, p. 382.
 Habitat: New York; New Jersey; Pennsylvania; District of Columbia; West Virginia; North Carolina; Georgia; Florida; Ohio; Illinois; Michigan; Minnesota; Iowa; Missouri; Kentucky; Tennessee; Louisiana; Texas; Cuba.
angustatus (*Belostoma*) Guérin, 1856, in Sagra's *Hist. Cuba*, pt. 2, vii, p. 176.
 Habitat: Cuba.

Genus 2. **LETHOCERUS** Mayr.

1852, Verh. Zool.-bot. Ges. Wien, v, p. 17.

Amorgius Stål, 1865, Hem. Afr., III, p. 179.

Nepa Linnaeus, 1758, Syst. Nat., Ed. x, p. 440 (in part).

Belostoma of authors (not Latreille).

Belostomum Burmeister, 1835, Handb. Ent., II, p. 195.

americanus (*Belostoma*) Leidy, 1847, Journ. Acad. Nat. Sci. Phila., VI, pp. 58, 66.

litigiosum (*Belostoma*) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 383.

griseum (*Belostoma*) Mayr, 1871, Verh. zool.-bot. Ges. Wien, VIII, p. 427 (in part).

Habitat: Quebec; Maine; Massachusetts; Connecticut; New York; New Jersey; Pennsylvania; Virginia; Ohio; Illinois; Michigan; Minnesota; Tennessee; Texas; Colorado.

angustipes (*Belostoma*) Mayr, 1871, Verh. zool.-bot. Ges. Wien, VIII, p. 427; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 22, figs. 5, 5a.

Habitat: California; Mexico.

annulipes (*Belostoma*) Herrich-Schäffer, 1846, Wanz. Ins., VIII, p. 28, pl. 258, figs. 803, 804; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 22, figs. 3, 3a.

ruficeps (*Belostoma*) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 382.

signoreti (*Belostoma*) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 382.

Habitat: Texas; Colorado; California; Mexico; British Honduras; Guatemala; Nicaragua; Costa Rica; Panama; Cuba; Jamaica; Colombia; Venezuela; Dutch Guiana; Brazil; Argentina.

camposi (*Amorgius*) Montandon, 1900, Bull. Soc. Sci. Buc., IX, p. 561.
Habitat: Ecuador.

collosicus (*Belostoma*) Stål, 1854, Öfv. Vet.-Ak. Förh., XI, p. 239.

collossicum (*Belostoma*) Stål, 1861, Öfv. Vet.-Ak. Förh., XVIII, p. 205; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 22, fig. 4.

Habitat: Mexico; Honduras; Costa Rica; Cuba; Jamaica.

curtus (*Belostoma*) Guérin, 1856, in Sagra's Cuba, pt. 2, VII, p. 175.
curtura (*Belostoma*) Uhler, 1886, Check List, p. 28.

Habitat: Cuba.

grandis (*Nepa*) Linnaeus, 1758, Syst. Nat., Ed. x, p. 440.

Habitat: Colombia; French Guiana; Brazil.

mayri (*Belostoma*) Montandon, 1896, Ann. Soc. Ent. Belg., XL, p. 516.
Habitat: Brazil.

- medius** (*Belostoma*) Guérin, 1856, in Sagra's Cuba, pt. 2, vii, p. 175.
 Habitat: Cuba.
- obscurus** (*Belostoma*) Dufour, 1863, Ann. Soc. Ent. France, (4), iii, p. 383.
griseum (*Belostoma*) Mayr, 1871, Verh. zool.-bot. Ges. Wien, xxii, p. 427 (in part).
americanum of authors (in part).
 Habitat: Massachusetts; Connecticut; New York; New Jersey; Utah.
- uhleri** (*Belostoma*) Montandon, 1896, Ann. Soc. Ent. Belg., xl, p. 513;
 Howard, 1902, Insect Book, pl. xxix, fig. 25.
americanum (*Belostoma*) Uhler, 1876, Bul. U. S. Geol. and Geog. Surv. Terr., i, p. 71, pl. xxi, fig. 38.
 Habitat: New Jersey; Pennsylvania; North Carolina; Florida; Wisconsin; Kansas; Louisiana.

Genus 3. ABEDUS Stål.

- 1862, Stett. Ent. Zeit., xxiii, p. 461.
Serphus Stål, 1862, Stett. Ent. Zeit., xxiii, p. 462.
Stenoscytus Mayr, 1863, Verh. zool.-bot. Ges. Wien, xiii, p. 341.
Pedinocoris Mayr, 1863, Verh. zool.-bot. Ges. Wien, xiii, p. 341.
Deinostoma Kirkaldy, 1897, Entomologist, xxx, p. 258.
- breviceps** (*Abedus*) Stål, 1862, Stett. Ent. Zeit., xxiii, p. 462; Champion, 1901, Biol. C.-Am., Hem.-Het., ii, pl. 21, figs. 20, 20a.
 Habitat: Mexico; Costa Rica.
- dilatatus** (*Belostoma*) Say, 1832, Descr. Het. Hem., p. — (Fitch reprint, p. 810); 1859, Compl. Wtgs., i, p. 366; Champion, 1901, Biol. C.-Am., Hem.-Het., ii, pl. 21, figs. 18, 18a.
stollii (*Zaitha*) Herrich-Schäffer, Wanz. Ins., ix, p. 35, fig. 898 (not Dufour, 1863, Ann. Soc. Ent. France, (4), iii, p. 387).
 Habitat: Arizona; California; Mexico.
- identata** (*Zaitha*) Haldeman, 1853, Proc. Ac. Nat. Sci. Phila., vi, p. 364.
brachonyx (*Pedinocoris*) Mayr, 1863, Verh. zool.-bot. Ges. Wien, xiii, p. 351, pl. 11, fig. 5.
 Habitat: Arizona; California.
- macronyx** (*Pedinocoris*) Mayr, 1863, Verh. zool.-bot. Ges. Wien, xiii, p. 350, pl. 11, figs. 1-4; Champion, 1901, Biol. C.-Am., Hem.-Het., ii, pl. 21, fig. 22.
 Habitat: Arizona; California; Mexico.
- ovatus** (*Abedus*) Stål, 1862, Stett. Ent. Zeit., xxiii, p. 462.
mexicanus (*Stenoscytus*) Mayr, 1863, Verh. zool.-bot. Ges. Wien, xiii, p. 347, pl. 11, figs. 6-10.
 Habitat: Texas; New Mexico; Arizona; Mexico.

signoreti (Abedus) Mayr, 1871, Verh. zool.-bot. Ges. Wien, XXI, p. 404; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, fig. 21.

vicinus (Abedus) Mayr, 1871, Verh. zool.-bot. Ges. Wien, XXI, p. 405.

Habitat: Mexico; Guatemala; Costa Rica; Panama.

Genus 4. **BELOSTOMA** Latreille.

1807, Gen. Crust. Ins., III, p. 144.

Zaitha Amyot et Serville, 1843, Hist. Nat. Ins., Hém., p. 430.

Perthostoma Leidy, 1847, Journ. Acad. Nat. Sci. Phila., n. s., I, p. 59.

apache, n. nom (Kirkaldy).

minor (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 391.

aurantiaca Walker, 1873, Catalogue, VIII, p. 179 (in part).

Habitat: California; Mexico; Cuba; Brazil.

asiaticum (Zaitha) Mayr, 1863, Verh. zool.-bot. Ges. Wien, XIII, p. 354.

boops (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 388.

Habitat: Mexico; Brazil; Argentina; Peru; Chile.

aurantiacum (Perthostoma) Leidy, 1847, Journ. Acad. Nat. Sci. Phila., (2), I, p. 60.

lutaria (Zaitha) Stål, 1855, Öfv. Vet.-Ak. Förh., XII, p. 190.

Habitat: Rhode Island; New Jersey; North Carolina; Florida; Louisiana; Texas.

aurivillianum (Zaitha) Montandon, 1899, Bull. Mus. Hist. Nat. Paris, No. 4, p. 170.

Habitat: Colombia; Venezuela; Brazil.

bergi (Zaitha) Montandon, 1899, Bull. Mus. Hist. Nat. Paris, No. 4, p. 172.

Habitat: Argentina.

bifoveolatum (Belostoma) Spinola, 1852, Gay's Chile, Zool., VII, p. 227.

Habitat: Brazil; Paraguay; Chile.

boscii (Zaitha) Lepeletier et Serville, 1825, Enc. Méth., X, p. 273.

anurus (Diplonychus) Herrich-Schäffer, 1846, Wanz. Ins., VIII, p. 26, pl. 257, fig. 799.

cupreomicans (Zaitha) Stål, 1854, Öfv. Vet.-Ak. Förh., XI, p. 240.

subspinosa (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 387.

Habitat: Arizona; California; Mexico; Guatemala; Costa Rica; Panama; Cuba; Santo Domingo; Grenada; Colombia; Guiana (French); Brazil; Paraguay; Uruguay; Argentina.

dentatum (Belostoma) Mayr, 1863, Verh. zool.-bot. Ges. Wien, XIII, p. 356.

- eumorpha* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 386.
 Habitat: Brazil; Argentina.
- difficilis* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 391.
 Habitat: Venezuela; Dutch Guiana.
- dilatatum* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 387.
 Habitat: Brazil.
- discretum* (Belostoma) Montandon, 1903, Bull. Mus. Hist. Nat. Paris, No. I, p. 22.
 Habitat: Brazil; Paraguay; Argentina.
- elegans* (Zaitha) Mayr, 1871, Verh. zool.-bot. Ges. Wien, XXI, p. 415.
 Habitat: Uruguay; Paraguay; Argentina.
- ellipticum* (Belostoma) Latreille, 1833, Ins., etc., in Humboldt et Bonpland (pt. 2), p. 105, pl. 39, fig. 4.
 Habitat: Texas; Mexico.
- foveolatum* (Zaitha) Mayr, 1863, Verh. zool.-bot. Ges. Wien, XIII, p. 355.
 Habitat: Guiana (French); Brazil; Paraguay; Argentina.
- flumineum* (Belostoma) Say, 1832, Desc. Het. Hem., p. — (Fitch reprint, p. 809); 1859, Compl. Wtgs., I, p. 364.
- micrantula* (Zaitha) Uhler, 1895, in Gillette and Baker, Hem. Col., Bul. 31, Colo. Agr. Exp. Sta., p. 63.^a
 Habitat: Quebec; New York; New Jersey; Pennsylvania; District of Columbia; North Carolina; Georgia; Ohio; Indiana; Illinois; Michigan; Wisconsin; Tennessee; Louisiana; Colorado; Arizona.
- fusciventris* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 389; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, figs. 23, 23a.
 Habitat: Arizona; Texas; New Mexico; California; Mexico; Guatemala; Honduras; Costa Rica.
- gestroi* (Belostoma) Montandon, 1900, Ann. Mus. Civ. Gen., (2), XX, (XL), p. 537.
 Habitat: Paraguay; Argentina.
- martini* (Zaitha) Montandon, 1899, Bull. Mus. Hist. Nat. Paris, No. 4, p. 170.
 Habitat: Patagonia.
- mayri* (Zaitha) Berg, 1884, Ad. et Em. ad Hem. Arg., p. 120.
- cumorpha* (Zaitha) Berg, 1879, Ann. Soc. Cient. Arg., VIII, p. 71 (not Dufour).
 Habitat: Venezuela; Guiana; Brazil; Bolivia; Argentina.
- micantulum* (Zaitha) Stål, 1860, Svensk. Vet.-Ak. Handl., (2), No. 7, p. 84.

^a Original specimen seen and redetermined by J. R. T. B.

- zelotypus* (Zaitha) F. B. White, 1879, Trans. Ent. Soc. Lond., p. 270.
- minuscula* (Zaitha) Uhler, 1882, Stand. Nat. Hist., II, p. 258.
Habitat: Brazil; Paraguay; Argentina.
- minor* (Nepa) Palisot de Beauvois, 1805, Ins. rec. Afr. Am., p. 236, Hém. pl. 20, fig. 3.
Habitat: Hayti (Santo Domingo).
- noualhieri* (Belostoma) Montandon, 1903, Bull. Mus. Hist. Nat. Paris, No. 1, p. 21.
Habitat: Brazil.
- oxyurum* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 390.
Habitat: Brazil; Uruguay; Argentina.
- plebejum* (Zaitha) Stål, 1860, Svensk. Vet.-Ak. Handl., II, No. 7, p. 83.
maculosa (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 389.
- limbata* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 390.
- adusta* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 390.
- (?) *micantula* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 391.
Habitat: Brazil; Argentina.
- pygmaeum* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 391.
Habitat: Brazil; Argentina.
- subspinosum* (Nepa) Palisot de Beauvois, 1805, Ins. rec. Afr. Am., p. 236, Hém. pl. 20, fig. 2, a, b.
Habitat: Haiti (Santo Domingo).
- stollii* (Zaitha) Amyot et Serville, 1843, Hist. Nat. Ins., Hém., p. 430.
Habitat: French Guiana; Brazil; Chile.
- testaceopallidum* (Belostoma) Latreille, 1807, Gen. Crust. Ins., III, p. 145. (Type species of the genus.)
- margineguttata* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 387.
- carbonaria* (Zaitha) Dufour, 1863, Ann. Soc. Ent. France, (4), III, p. 388.
- stolli* (Zaitha) Mayr, 1863, Verh. zool.-bot. Ges. Wien, XIII, p. 352.
Habitat: Guadeloupe; Brazil.
- testaceum* (Perthostoma) Leidy, 1847, Journ. Acad. Nat. Sci. Phila., n. s., I, p. 66.
- reticulata* (Zaitha) Haldeman, 1852, Stansb. Exped., p. 370.
Habitat: New York; New Jersey; Pennsylvania; District of Columbia; North Carolina; South Carolina; Michigan; Texas.

Genus 7. **DIPLONYCHUS** Laporte de Castelnau.

1832, *Essai Hém.*, pp. 17, 18.

Hydrocyrius Spinola, 1850, *Mem. Mat. Soc. Modena*, xxv, p. 146.

Ilyotrepes Stål, 1853, *Öfv. Vet.-Ak. Förh.*, x, p. 264.

columbiæ (*Hydrocyrius*) Spinola, 1850, *Mem. Mat. Soc. Modena*, xxv, p. 146.

herculeus (*Ilyotrepes*) Stål, 1853, *Öfv. Vet.-Ak. Förh.*, x, p. 264.

algeriense (*Belostoma*) Dufour, 1855, *Mem. Soc. Ac. Sci. Liège*, x, p. 187, pl. 1, fig. 1.

capitatum (*Belostoma*) Guérin, 1856, in *Sagra's Cuba*, pt. 2, vii, p. 175.

Habitat: Mexico; Cuba.^a

Family II. CORIXIDÆ.

Genus 2. **TENAGOBIA** Bergroth.

1899, *Ent. Mo. Mag.*, xxxv, p. 282.

fuscata (*Sigara*) Stål, 1859, *Eugenie's Resa, Ins.*, p. 268.

Habitat: Brazil.

seducta (*Sigara*) F. B. White, 1879, *Tr. Ent. Soc. Lond.*, p. 275.

Habitat: Brazil.

selecta (*Sigara*) F. B. White, 1879, *Tr. Ent. Soc. Lond.*, p. 273.

Habitat: Brazil.

signata (*Sigara*) F. B. White, 1879, *Tr. Ent. Soc. Lond.*, p. 274.

Habitat: Brazil.

simulans (*Sigara*) F. B. White, 1879, *Tr. Ent. Soc. Lond.*, p. 275.

Habitat: Brazil.

sobrina (*Sigara*) F. B. White, 1879, *Tr. Ent. Soc. Lond.*, p. 275.

Habitat: Brazil.

socialis (*Sigara*) F. B. White, 1879, *Tr. Ent. Soc. Lond.*, p. 274.

Habitat: California; Mexico; Guatemala; Panama; Grenada; Brazil.

Genus 5. **CALLICORIXA** F. B. White.

1873, *Ent. Mo. Mag.*, x, p. 62.

griffini (*Corixa*) Kirkaldy, 1899, *Bull. Mus. Zool. Anat. Comp. Torino*, XIV, No. 350, p. 7, figs. 6-7.

Habitat: Ecuador.

^a This genus is placed here in deference to the older authors, the records of the species being those given by Spinola and Guérin. But there are no other references to its American habitat in the literature, nor have either of the authors seen an American specimen.

- kollarii** (*Corisa*) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), vii, p. 229, pl. 1, fig. 7; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 22, figs. 18, 18a, b, ♂.
cubæ Uhler, 1894, Proc. Zool. Soc. Lond., p. 224 (not Guérin).
 Habitat: Alaska; Canada; Massachusetts; Pennsylvania; Florida; Texas; Mexico; Cuba; Jamaica; Grenada; Venezuela; Brazil; Ecuador; Bolivia.
- præusta** (*Corisa*) Fieber, 1848, Bull. Soc. Nat. Moscou (pt. 2), p. 521; Fieber, 1851, Abh. böhm. Ges. Wiss., (5), vii, pl. 1, fig. 17 (Nos. 1-18).
 Habitat: Alaska.

Genus 7. ARCTOCORISA Wallengren.

1894, Ent. Tidskr., x, p. 133.

Glænacorisa Puton, 1880, Syn. Hém. Hét. France, p. 234.

Basileocorixa Kirkaldy, 1898, Entomologist, xxx, p. 253.

- Corisa* Thomson, 1869, Opusc. Ent. Fasc., I, p. 27 (not Am. et Serv.).
Corixa F. B. White, 1873, Ent. Mo. Mag., x, p. 62 (not Geoffroy).

- abdominalis** (*Corixia*) Say, 1832, Descr. Het. Hem., p. 38 (Fitch reprint, p. 811); 1859, Complete Wtgs., I, p. 366.

bimaculata (*Corixa*) Guérin, 1844, Icon. Regne An., Ins., p. 354.
 Habitat: Texas; California; Baja California; Guatemala.

- acuminata** (*Corixa*) Uhler, 1897, Trans. Md. Ac. Sci., I, p. 392.
 Habitat: Illinois; Texas.

- alternata** (*Corixa*) Say, 1825, Journ. Acad. Nat. Sci. Phila., IV, p. 329; 1859, Compl. Wtgs., II, p. 251.
 Habitat: Maine; New Hampshire; Illinois.

- bilineata** (*Corixa*) Provancher, 1872, Nat. Can., IV, p. 108.
 Habitat: Canada.

- bivittata** (*Corixa*) Provancher, 1887, Pet. Faun. Ent. Can., III, p. 203.
 Habitat: Canada.

- burmeisteri** (*Corixa*) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), vii, p. 236.
 Habitat: North America.

- brimleyi** (*Arctocorixa*) Kirkaldy, 1908, Can. Ent., XL, p. 120.
 Habitat: North Carolina.

- calva** (*Corixa*) Say, 1832, Descr. Het. Hem., p. — (Fitch reprint, p. 810); 1859, Compl. Wtgs., I, p. 366.
 Habitat: Unalaska; Canada; Maine; Massachusetts; Pennsylvania; Texas; Colorado.

- convexa** (*Corixa*) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), vii, p. 249, pl. 2, fig. 23.
 Habitat: Labrador.

- cubæ** (*Corixa*) Guérin, 1844, Icon. Regne An., Ins., p. 353, pl. 57, fig. 9.
 Habitat: Cuba.

- decolor** (*Corixa*) Uhler, 1871, *Silliman's Amer. Journ. Sci.*, p. 106.
 Habitat: California.
- desenconscripta** (*Corixa*) Breddin, 1897, *Hamb. Magalh. Sammelr.*,
Hem., p. 16, fig. 7.
 Habitat: Paraguay; Argentina.
- dispersa** (*Corixa*) Uhler, 1875, *Rept. U. S. Geog. and Geol. Surv.*, 5,
 p. 841, pl. 42, fig. 7.
 Habitat: Texas; Nevada; California.
- edulis** (*Corixa*) Champion, 1901, *Biol. C.-Am., Hem.-Het.*, II, p. 380,
 pl. 21, fig. 24, ♂.
 Habitat: Mexico.
- erichsonii** (*Corixa*) Fieber, 1851, *Abh. böhm. Ges. Wiss.*, (5), VII, p.
 247, pl. 2, fig. 19.
 Habitat: Pennsylvania.
- escheri** (*Corixa*) Heer, 1853, *Ins. Tertiär. Oeningen*, III, p. 87; Uhler,
 1876, *Bul. U. S. Geol. Surv.*, II, p. 341.
 Habitat: Washington State.
- expleta** (*Corixa*) Uhler, 1895, *Bul. Colo. Agr. Exp. Sta.*, 31, p. 63.
 Habitat: Colorado.
- forciceps** (*Corixa*) Spinola, 1852, in Gay's *Chile, Zool.*, VII, p. 234.
 Habitat: Bolivia; Paraguay; Argentina; Chile.
- fossarum** (*Corixa*) Leach, 1818, *Trans. Linn. Soc.*, XII, p. 17.
 Habitat: California.
- germari** (*Corixa*) Fieber, 1848, *Bull. Soc. Mosc.* (pt. 2), p. 531; Kirkaldy,
 1901, *Journ. Quekett Microsc. Club*, pl. 4, fig. 29.
 Habitat: Alaska.
- harrisii** (*Corixa*) Uhler, 1878, *Proc. Bost. Soc. N. H.*, XIX, p. 444.
 Habitat: Massachusetts.
- hydatotropes** (*Arctocorixa*) Kirkaldy, 1908, *Can. Ent.*, XL, p. 119.
 Habitat: North Carolina.
- guatemalensis** (*Corixa*) Champion, 1901, *Biol. C.-Am., Hem.-Het.*, II,
 p. 377, pl. 22, figs. 19, 19a, b, ♂.
 Habitat: Guatemala.
- inscripta** (*Corixa*) Uhler, 1894, *Proc. Cal. Acad. Sci.*, (2), IV, p. 294.
 Habitat: Texas; Colorado; New Mexico; Arizona; Mexico.
- interrupta** (*Corixa*) Say, 1825, *Journ. Acad. Nat. Sci. Phila.*, IV, p.
 328; 1859, *Compl. Wtgs.*, II, p. 250.
 Habitat: New England States; New York; Maryland; Illinois;
 Minnesota; Missouri; Colorado; California; Mexico; Guatema-
 lama; Brazil.
- irrorata** (*Corixa*) Herrich-Schäffer, 1850, *Wanz. Ins.*, IX, p. 60.
 Habitat: Island of St. Barthélémy.
- kennicottii** (*Corixa*) Uhler, 1897, *Trans. Md. Acad. Sci.*, I, p. 393.
 Habitat: Illinois.

- kirbyi** (Corixa) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 255.
carinata (Corixa) W. Kirby, 1837, Rich. Faun. Bor. Am., IV, p. 284.
 Habitat: Canada.^a
- lævigata** (Corixa) Uhler, 1891, Proc. Ent. Soc. Wash., II, p. 384.
 Habitat: Utah; Nevada; Washington; Oregon; California.
- lateralis** (Corixa) Leach, 1818, Trans. Linn. Soc., XII, p. 17.
hieroglyphica (Corixa) Dufour, 1833, Mem. Savans etr., IV, p. 214; Kirkaldy, 1901, Journ. Quekett Micros. Club, pl. 4, fig. 30.
 Habitat: Pennsylvania.
- lineata** (Notonecta) Förster, 1771, Nov. Spec. Ins., p. 70.
 Habitat: North America.
- macroceps** (Arctocorixa) Kirkaldy, 1908, Can. Ent., XL, p. 119.
 Habitat: North Carolina.
- maculata** (Corixa) Le Guillou, 1841, Rev. Zool., p. 261.
 Habitat: Chile.
- mariæ** (Corixa) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 378, pl. 22, figs. 20, 20a, ♂.
 Habitat: Mexico.
- melanogaster** (Corixa) Kirkaldy, 1899, Entomologist, XXXII, p. 193.
 Habitat: Costa Rica.
- mercenaria** (Corixia) Say, 1832, Descr. Het. Hem., p. 39 (Fitch reprint, p. 811); 1859, Compl. Wtgs., I, p. 367; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 22, figs. 23, 23a, b, ♂.
 Habitat: New Mexico; California; Mexico; Brazil; Bolivia.
- naias** Kirkaldy, n. nom.
sexlineata (Corixa) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 379, pl. 22, figs. 22, 22a, ♂.
 Habitat: Mexico.
- nitida** (Corixa) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 240, pl. 2, fig. 8.
 Habitat: North Carolina.
- noveboracensis** (Notonecta) Gmelin, 1789, Syst. Nat., Ed. 13, p. 2119.
 Habitat: New York.
- parvula** (Corixa) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 378, pl. 22, figs. 21, 21a, ♂.
 Habitat: Mexico.
- ? **planifrons** (Corixa) W. Kirby, 1837, Faun. Bor. Am., IV, p. 284.
 Habitat: Canada.
- pygmæa** (Corixa) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 236, pl. 2, fig. 1.
 Habitat: Cuba; Jamaica; St. Thomas; Colombia.
- reticulata** (Corixa) Guérin, 1857, Sagra's Cuba, pt. 2, VII, p. 177.
 Habitat: Cuba; Grenada.

^a Doubtfully American.

serrulata (Corixa) Uhler, 1897, Trans. Md. Ac. Sci., I, p. 391.

Habitat: Arizona; California; Mexico.

signata (Corixa) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 233, pl. I, fig. 16.

Habitat: Pennsylvania; Illinois.

stagnalis (Corixa) Leach, 1818, Trans. Linn. Soc., XII, p. 16; Kirkaldy, 1901, Journ. Quekett Microsc. Club, pl. 4, fig. 21.

limitata (Corixa) Fieber, 1848, Bull. Soc. Moscou (pt. 2), p. 528.

Habitat: Pennsylvania.

stigmatica (Corixa) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 248, pl. 2, fig. 22.

Habitat: North America.^a

sutilis (Corixa) Uhler, 1876, Bul. U. S. Geol. Surv., II, p. 339.

Habitat: Colorado.

tarsalis (Corixa) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 231, pl. I, fig. 13.

Habitat: Pennsylvania.

? **trilineata** (Corixa) Provancher, 1872, Nat. Can., IV, p. 108.

Habitat: Canada.

? **trivittata** (Corixa) Provancher, 1888, Pet. Faune Can., III, p. 203.

Habitat: Canada.

tumida (Corixa) Uhler, 1877, Bul. U. S. Geol. and Geog. Surv., III, p. 454.

Habitat: Colorado.

unguiculata (Corixa) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 382, pl. 22, figs. 26, 26a, b, ♂.

Habitat: Mexico; Costa Rica.

verticalis (Corixa) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 236, pl. I, fig. 22.

Habitat: Pennsylvania.

vulnerata (Corixa) Uhler, 1861, Proc. Acad. Nat. Sci. Phila., p. 284.

Habitat: Illinois; Montana; Washington; Oregon.

wallengreni (Corixa) Stål, 1859, Eugenie's Resa, Ins., p. 268.

Habitat: California.

zimmermannii (Corixa) Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 233, pl. I, fig. 18.

Habitat: Pennsylvania; "Carolina."

Genus 9. **HETEROCORIXA** F. B. White.

1879, Trans. Ent. Soc. Lond., p. 272.

hesperia F. B. White, 1879, Trans. Ent. Soc. Lond., p. 273.

Habitat: Brazil.

^a Doubtfully American.

Family 12. NOTONECTIDÆ.

Subfamily 1. NOTONECTINÆ.

Genus 1. NOTONECTA Linnaeus.

1758, Syst. Nat., Ed. x, p. 439.

- bifasciata** (Notonecta) Guérin, 1844, Icon. Regne An., Ins., p. 354.
polystolisma Fieber, 1851, Abh. böhm. Ges. Wiss., (5), VII, p. 477.
 Habitat: Brazil; Uruguay; Argentina.
- howardii** (Notonecta) Bueno, 1905, Journ. N. Y. Ent. Soc., XIII, p. 151.
 Habitat: Arizona.
- indica** (Notonecta) Linnaeus, 1771, Mantissa Plantarum, p. 534; Bueno,
 1905, Journ. N. Y. Ent. Soc., XIII, pl. 7, fig. 1.
- americana** (Notonecta) Fabricius, 1775, Syst. Ent., p. 690.
- unifasciata** (Notonecta) Guérin, 1857, Le Moniteur, p. (?).
- dorsalis** (Notonecta) Fieber, 1852, Abh. böhm. Ges. Wiss., (5),
 VII, p. 480.
 Habitat: Texas; Arizona; Washington State; California; Mexico;
 Cuba.
- insulata** (Notonecta) W. Kirby, 1837, in Richardson's Faun. Bor. Am.,
 Ins., p. 285; Bueno, 1905, Journ. N. Y. Ent. Soc., XIII, pl. 7, fig. 9.
- impressa** (Notonecta) Fieber, 1852, Abh. böhm. Ges. Wiss., (5),
 VII, p. 475.
- rugosa** (Notonecta) Fieber, 1852, Abh. böhm. Ges. Wiss., (5),
 VII, p. 476.
- fabricii** (Notonecta) Townsend, 1891, Proc. Ent. Soc. Wash.,
 II, p. 56.
- ? **rugosa, basalis, bicolor, cordigera, plagiata**, Fieber, 1852, Abh.
 böhm. Ges. Wiss., (5), VII, p. 475.
 Habitat: Across the continent north of the 40th parallel and as far
 south as Mexico on the Pacific slope; Brazil.
- irrorata** (Notonecta) Uhler, 1878, Proc. Bost. Soc. N. H., xix, p. 443;
 Bueno, 1905, Journ. N. Y. Ent. Soc., XIII, pl. 7, fig. 6.
 Habitat: Ontario; Quebec; Connecticut; Massachusetts; New York;
 New Jersey; Maryland; Ohio; Illinois; Michigan; Kentucky.
- ? **lutea** (Notonecta) Bueno, 1905, Journ. N. Y. Ent. Soc., XIII, p. 160,
 pl. 7, fig. 7 (not Müller, 1776, Zool. Dan., p. 103).
 Habitat: British Columbia; Quebec.
- mexicana** (Notonecta) Amyot et Serville, 1843, Hist. Nat. Ins., Hém.,
 p. 453, pl. 8, fig. 7.
- klugii** (Notonecta) Fieber, 1852, Abh. böhm. Ges. Wiss., (5),
 VII, p. 474.
 Habitat: Arizona; California; Mexico; Costa Rica; Colombia.
- montezuma** (Notonecta) Kirkaldy, 1897, Trans. Ent. Soc. Lond., p.
 402; Champion, 1901, Biol. C.-Am., Hem.-Hes., II, pl. 22, figs.
 8, 8a ♂, 9 ♀.
 Habitat: California; Mexico.

- nigra* (Notonecta) Fieber, 1852, Abh. böhm. Ges. Wiss., (5), VII, p. 473.
 Habitat: Brazil.
- raleighi* (Notonecta) Bueno, 1907, Can. Ent., XXXIX, p. 207.
 Habitat: New Jersey; Maryland; District of Columbia; North Carolina; Illinois.
- shooterii* (Notonecta) Uhler, 1894, Proc. Cal. Acad. Sci., (2), IV, p. 292; Bueno, 1905, Journ. N. Y. Ent. Soc., XIII, pl. 7, fig. 8.
 Habitat: California.
- uhleri* (Notonecta) Kirkaldy, 1897, Ann. Mag. N. H., (6), XX, p. 58; Bueno, 1905, Journ. N. Y. Ent. Soc., XIII, pl. 7, fig. 4.
 Habitat: Massachusetts; New York; New Jersey; Washington, D. C.; Florida; Louisiana; Missouri.
- undulata* (Notonecta) Say, 1832, Descr. Het. Hem., p. 38 (Fitch reprint, p. 812); 1859, Compl. Wtgs., I, p. 368; Bueno, 1905, Journ. N. Y. Ent. Soc., XIII, pl. 7, fig. 2; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 22, fig. 10, ♂.
- americana* (Notonecta) Gmelin, 1789, in Linnæus, Syst. Nat., Ed. XIII, p. 2118.
- scutellaris*, *punctata*, *variabilis* (in part), *pallipes*, *maculata*, *unicolor*, Fieber, 1852, Abh. böhm., Ges. Wiss., (5), VII, p. 476 et seq.
- virescens* (Notonecta) Blanchard, 1852, in Gay's Chile, Zool., VII, p. 233.
- pallipes* (Notonecta) Lethierry, 1881, Ann. Soc. Ent. Belg., XXV, p. 13 (not Fabricius).
- Habitat: All over Canada and the United States; Mexico; Cuba; Jamaica; Colombia; Peru; Chile.
- variabilis* (Notonecta) Fieber, 1852, Abh. böhm. Ges. Wiss., (5), VII, p. 477 (in part); Bueno, 1905, Journ. N. Y. Ent. Soc., XIII, pl. 7, fig. 3.
- undulata* (Notonecta) Uhler, 1885, Stand. Nat. Hist., II, p. 252 (in part).
- americana* (Notonecta) Ashmead in Smith's Ins. N. J., p. 144 (not Fabricius).
- Habitat: Maine; Connecticut; New York; New Jersey; Pennsylvania; District of Columbia; Ohio; Illinois; Michigan; Wisconsin; Nebraska; Brazil; Uruguay; Argentina.

Genus 2. ENITHARES Spinola.

1837, Essai Hém., p. 37.

Notonecta Linnæus, Fabricius (in part).*Bothronotus* Fieber, 1852, Abh. böhm. Ges. Wiss., (5), VII, pp. 206-470.
Enithara Signoret, 1860, Ann. Soc. Ent. France, (3), VIII, p. 971.**brasiliensis** (Enithares) Spinola, 1837, Essai Hém., p. 60.*grandis* (Notonecta) Herrich-Schäffer, 1850, Wanz. Ins., IX, p. 42, pl. 294, fig. 901.

Habitat: Brazil.

Genus 4. BUENOA Kirkaldy.

1904, Wien. Ent. Zeit., XXIII, p. 120.

Anisops of authors, in part (American species).**albida** (Anisops) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 373, pl. 22, fig. 14 ♂.*platycnemis* (Anisops) of some authors.Habitat: Texas; Mexico.^a**amnigenus** (Anisops) F. B. White, 1879, Trans. Ent. Soc. Lond., p. 271.
Habitat: Brazil.**antigone** (Anisops) Kirkaldy, 1899, Entomologist, XXXII, p. 30.
Habitat: Panama; Cuba; Jamaica; Santo Domingo; Ecuador; Bolivia; Argentina.**carinata** (Anisops) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 372, pl. 22, figs. 12, 12a, b, ♂.
?? *platycnemis* of some authors (Uhler, according to Champion).

Habitat: Southern United States; Mexico; British Honduras; Guatemala; Brazil; Argentina.

crassipes (Anisops) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 374, pl. 22, fig. 15, ♂.
Habitat: Guatemala: Costa Rica.**elegans** (Anisops) Fieber, 1852, Abh. böhm. Ges. Wiss., (5), VII, p. 484.
Habitat: New York.**femoralis** (Anisops) Fieber, 1852, Abh. böhm. Ges. Wiss., (5), VII, p. 483.
Habitat: West Indies; Porto Rico.**fuscipennis** (Anisops) Berg, 1879, Hem. Arg., p. 198.
Habitat: Argentina.**ida** (Buenoa) Kirkaldy, 1904, Wien. Ent. Zeit., XXIII, p. 121.
Habitat: Guatemala; Uruguay.**naias** (Anisops) Kirkaldy, 1899, Entomologist, XXXII, p. 194.
Habitat: Venezuela; Chile; Argentina.^a Other localities not included, as being extremely doubtful. This genus badly needs a thorough revision.

pallens (*Anisops*) Champion, 1901, Biol. C.-Am., Hem.-Het., II, p. 374, pl. 22, fig. 16, ♂.

Habitat: Guatemala.

pallipes (*Notonecta*) Fabricius, 1803, Syst. Rhyng., p. 103.

Habitat: Mexico; Panama; Martinique; Jamaica; Guadeloupe; Venezuela; Ecuador; Bolivia.

platycnemis (*Anisops*) Fieber, 1852, Abh. böhm. Ges. Wiss., (5), VII, p. 485.

pallipes (*Anisops*) Kirkaldy, 1899, Entomologist, XXXII, p. 30 (not Fabricius).

Habitat: New York; New Jersey; Illinois.

salutis (*Buenoa*) Kirkaldy, 1904, Wien. Ent. Zeit., XXIII, p. 124.

Habitat: British Guiana.

NOTE.—The United States species of *Buenoa* are much confused. There has been in collections, masquerading as *platycnemis* Fieber, an uncertain number of species, of which three at least are known to us. The true species and *elegans* Fieber are very close together. The genus requires a thorough overhauling.

Genus 6. MARTAREGA F. B. White.

1879, Trans. Ent. Soc. Lond., p. 271.

Signoretiella Berg, 1883, An. Soc. Cient. Arg., XVI, p. 122.

membranacea (Martarega) F. B. White, 1879, Trans. Ent. Soc. Lond., p. 272.

uruguayensis (Signoretiella) Berg, 1883, An. Soc. Cient. Arg., XVI, p. 122.

Habitat: Central America; Brazil; Ecuador; Uruguay.

Subfamily 2. PLEINÆ.

Genus 1. PLEA Leach.

1817, Trans. Linn. Soc. Lond., XII, p. 11.

Ploa Stephens, 1829, Cat. Brit. Ins., II, p. 354.

Plaia Douglas and Scott, 1876, Cat. Brit. Hem., p. 61.

borellii (Plea) Kirkaldy, 1899, Bull. Mus. Zool. Anat. Comp. Torino, XIV, No. 352, p. 1.

Habitat: Argentina.

maculosa (Plea) Berg, 1879, Hem. Arg., p. 199.

Habitat: Argentina.

striola (Plea) Fieber, 1845 (?), Abh. böhm. Ges. Wiss., (5), III, p. 296, pl. 2, figs. 1-3.

Habitat: New York; New Jersey; Illinois; Iowa; California; Mexico; Guatemala; Cuba; St. Vincent; Grenada.

Division B. TROCHALOPODA.

Family 1. NEPIDÆ.

Genus 1. NEPA Linnæus.

1758, Syst. Nat., Ed. x, p. 440.

apiculata (Nepa) Uhler, 1878, Proc. Bost. Soc. Nat. Hist., xix, p. 440; Harris, 1862, Ins. Inj. to Veg., pl. I, fig. 1.

cinerea (Nepa) Ferrari, 1888, K. K. Hofmus. Wien, III, p. 191 (in part) (not Linnaeus).

Habitat: Ontario; Quebec; Massachusetts; Rhode Island; New York; New Jersey; Pennsylvania; Maryland; District of Columbia; Ohio; Illinois.

Genus 3. TELMATOTREPES Stål.

1854, Öfv. Vet.-Ak. Förh., xi, p. 241.

sculpticollis (Telmatotüphes) Stål, 1854, Öfv. Vet.-Ak. Förh., xi, p. 241; 1856, Öfv. Vet.-Ak. Förh., XIII, pl. 1a, fig. 6.

Habitat: Colombia.

Genus 6. CURICTA Stål.

1861, Öfv. Vet.-Ak. Förh., XVIII, p. 263.

Helotenthes Berg, 1879, Hem. Arg., p. 194.

Nepoidea Montandon, 1895, Ann. Soc. Ent. Belg., XXXIX, p. 476.

bonaërensis (Helotenthes) Berg, 1879, Hem. Arg., p. 195.

falloni (Nepoidea) J. Martin, 1898, Bull. Soc. Ent. France, p. 66. Habitat: Brazil; Argentina.

borellii (Curicta) Montandon, 1903, Bull. Soc. Sci. Buc., XII, p. 99.

Habitat: Argentina.

intermedia (Nepoidea) J. Martin, 1898, Bull. Soc. Ent. France, p. 66. Habitat: Colombia.

scorpio (Curicta) Stål, 1861, Öfv. Vet.-Ak. Förh., XVIII, p. 203; Champion, 1901, Biol. C.-Am., Hem.-Het., II, pl. 21, figs. 1, 1a.

montandoni (Nepoidea) J. Martin, 1898, Bull. Soc. Ent. France, p. 68.

Habitat: Mexico; Guatemala.

suspecta (Curicta) Montandon, 1903, Bull. Soc. Sci. Buc., XII, p. 99.

Habitat: Brazil.

tibialis (Nepoidea) J. Martin, 1898, Bull. Soc. Ent. France, p. 66.

Habitat: Brazil.

volxemi (Nepoidea) Montandon, 1895, Ann. Soc. Ent. Belg., XXXIX, p. 476, fig. 6.

Habitat: Mexico.

Genus 7. *RANATRA* Fabricius.

1790, Skrift. Nat. Selsk., I, p. 227.

annulipes (*Ranatra*) Stål, 1854, Öfv. Vet.-Ak. Förh., XI, p. 241.

Habitat: Panama; Jamaica; Guadeloupe; Dutch Guiana; Brazil; Paraguay; Uruguay; Argentina.

brevicauda (*Ranatra*) Montandon, 1905, Bull. Soc. Sci. Buc., XIV, p. 391.

Habitat: Brazil.

camposi (*Ranatra*) Montandon, 1907, Ann. Soc. Ent. France, LXXVI, p. 59.

Habitat: Ecuador.

fabricii (*Ranatra*) Guérin, 1857, Sagra's Hist. Cuba, pt. 2, VII, p. 176.

Habitat: Texas; Guatemala; Cuba; Jamaica.

fusca (*Ranatra*) Palisot de Beauvois, 1805, Ins. rec. Afr. et Am., p. 235.*nigra* (*Ranatra*) Herrich-Schäffer, 1849, Wanz. Ins., IX, p. 32. Hem. pl. 20, fig. 1.Habitat: North Carolina; Louisiana.^a*kirkaldyi* (*Ranatra*) Bueno, 1905, Can. Ent., XXXVII, p. 188.

Habitat: Ontario; New York; North Carolina; Florida; Illinois; Michigan.

macrophthalma (*Ranatra*) Herrich-Schäffer, 1849, Wanz. Ins., IX, p. 31.

Habitat: Colombia; Dutch Guiana; Peru; Bolivia.

mixta (*Ranatra*) Montandon, 1907, Ann. Soc. Ent. Belg., LI, p. 78.

Habitat: French Guiana.

obscura (*Ranatra*) Montandon, 1907, Ann. Soc. Ent. France, LXXVI, p. 60.

Habitat: French Guiana.

quadridentata (*Ranatra*) Stål, 1861, Öfv. Vet.-Ak. Förh., XVIII, p. 204; Lugger, Bul. 69, Agr. Exp. Sta. Minn., fig. 12, as *R. fusca* P. B.

Habitat: Ontario; Quebec; Maine; Massachusetts; Rhode Island; Connecticut; Ohio; Illinois; New York; New Jersey; Maryland; Georgia; Michigan; Wisconsin; Minnesota; Iowa; Nebraska; Texas; Colorado; Arizona; California (?); Mexico.

rabida (*Ranatra*) F. B. White, 1879, Trans. Ent. Soc. Lond., p. 270.

Habitat: Brazil.

robusta (*Ranatra*) Montandon, 1905, Bul. Soc. Sci. Buc., XIV, p. 396.

Habitat: Brazil.

^a Others records given by various authors are: Massachusetts; New York; New Jersey; Ohio; Illinois; Iowa; Texas; Mexico; Guatemala; Costa Rica; Panama. Owing to the great confusion in this species none of these is certain. They apply to one, if not two, other species, some undoubtedly referring to *Ranatra quadridentata* and others (among them one by the junior author) to an undescribed species.

signoreti (Ranatra) Montandon, 1905, Bul. Soc. Sci. Buc., XIV, p. 392.
Habitat: Brazil.

subinermis (Ranatra) Montandon, 1907, Ann. Soc. Ent. France, LXXVI, p. 66.

Habitat: French Guiana.

tuberculifrons (Ranatra) Montandon, 1907, Ann. Soc. Ent. France, LXXVI, p. 65.

Habitat: French Guiana.

unidentata (Ranatra) Stål, 1861, Öfv. Vet.-Ak. Förh., XVIII, p. 203.
Habitat: Brazil; Uruguay; Argentina.

Genus 8. **AMPHISCHIZOPS** Montandon.

1898, Bul. Soc. Sci. Buc., VII, p. 5.

compressicollis (Ranatra) Montandon, 1898, Bul. Soc. Sci. Buc., VII, p. 3, text figure.

Habitat: Venezuela.

Family 2. **GERRIDÆ.**

Subfamily 1. **VELIINÆ.**

Genus 1. **VELIA** Latreille.

1804, Nouv. Dict. Hist. Nat., xxiv, Tabl. Méth., pp. 163–168.

Paravelia Breddin, 1898, J. B. Nat. Ver. Magdeburg, p. 12.

annulipes (Velia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 141, 142, pl. 9, fig. 8.

Habitat: Arizona; Mexico; Guatemala.

albotrimaculata (Velia) Kirkaldy, 1899, Ann. Soc. Ent. Belg., XLIII, p. 505.

Habitat: Venezuela.

basalis (Velia) Spinola, 1837, Essai Hém., p. 66.

bicolor (Velia) Blanchard, in d'Orbigny's Voy. Am. Mer., Ins., p. 218, pl. 29, fig. 1.

brasiliensis (Velia) Herrich-Schäffer, 1850, Wanz. Ins., IX, p. 76, fig. 935.

Habitat: Brazil.

boliviiana (Paravelia) Breddin, 1898, J. B. Nat. Ver. Magdeburg (1896–1897), p. 12.

Habitat: Bolivia.

brachialis (Velia) Stål, 1860, Svensk. Vet.-Ak. Handl., 2, No. 7, p. 82.

stagnalis (Velia) Uhler, 1894, Proc. Zool. Soc. Lond., p. 215 (not Burmeister); Champion, Biol. C.-Am., Hem.-Het., II, pl. 9, figs. 6, 7.

Habitat: Mexico; Guatemala; Panama; Grenada; Brazil.

- brunnea** (*Velia*) Osborn, 1904, Ohio Nat., v, p. 204.
 Habitat: Bolivia.
- cinctipes** (*Velia*) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 141, 143, pl. 9, fig. 9.
 Habitat: Panama.
- inveruglas** (*Paravelia*) Kirkaldy, 1899, Boll. Mus. Zool. Anat. Comp. Torino, XIV, No. 350, p. 358 (?) (p. 4 of separate).
 Habitat: Ecuador.
- platensis** (*Velia*) Berg, 1884, Hem. Arg., suppl., p. 117.
 Habitat: Uruguay; Argentina.
- stagnalis** (*Velia*) Burmeister, 1835, Handb. Ent., II, p. 212.
 Habitat: District of Columbia; North Carolina; Cuba.
- virgata** (*Velia*) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 486.
 Habitat: Brazil.
- vivida** (*Velia*) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 486.
 Habitat: Nicaragua.

Genus 3. RHAGOVELIA Mayr.

1865, Verh. zool.-bot. Ges. Wien, XV, p. 445.

Bæcula Stål, 1865, Hem. Afr., III, p. 167.

Neovelia F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 487.

Trochopus Carpenter, 1898, Ent. Mo. Mag., XXXIV, p. 78.

(Table of Species, Kirkaldy, 1900, Ent., XXXIV, p. 308 et seq.)

- angustipes** (*Rhagovelia*) Uhler, 1894, Proc. Zool. Soc. Lond., p. 215.
obesa (*Rhagovelia*) Uhler, 1893, Proc. Zool. Soc. Lond., p. 706.
 Habitat: Mexico; Panama; St. Vincent; Grenada; Venezuela.
- armata** (*Velia*) Burmeister, 1835, Handb. Ent., II, p. 212; Champion, Biol. C.-Am., Hem.-Het., II, pl. 8, fig. 24 ♀.
 Habitat: Texas; Mexico.
- collaris** (*Velia*) Burmeister, 1835, Handb. Ent., II, p. 212.
fiebrii (*Velia*) Guérin, 1857, in Sagra's Hist. Cuba, pt. 2, VII, p. 174.
 Habitat: Cuba; Santo Domingo; Jamaica.
- crassipes** (*Rhagovelia*) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 131, 133, pl. 8, figs. 20, 21.
 Habitat: Panama.
- distincta** (*Rhagovelia*) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 132, 135, pl. 8, figs. 25, 26.
- mexicana* (*Rhagovelia*) Signoret, 1877, Bull. Soc. Ent. France, p. LV (manuscript).
 Habitat: Mexico.

elegans (Rhagovelia) Uhler, 1894, Proc. Zool. Soc. Lond., p. 216.

Habitat: Grenada.

femoralis (Rhagovelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 132, 134, pl. 8, fig. 23.

Habitat: Panama.

festæ (Rhagovelia) Kirkaldy, 1899, Boll. Mus. Zool. Anat. Comp. Torino, XIV, No. 350, p. 4.

Habitat: Ecuador.

insularis (Rhagovelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 132, 139, pl. 9, fig. 3.

Habitat: Panama.

obesa (Rhagovelia) Uhler, 1871, Proc. Bost. Soc. Nat. Hist., XIV, p. 107. Habitat: Ontario; Massachusetts; New York; New Jersey; Maryland; District of Columbia; Virginia; North Carolina; South Carolina; Michigan; Tennessee.

plumbea (Rhagovelia) Uhler, 1894, Proc. Zool. Soc. Lond., p. 217.

marinus (Trochopus) Carpenter, 1898, Ent. Mo. Mag., XXXIV, p. 78, pl. 3.

Habitat: Florida; Nassau, Bahamas; Jamaica; Grenada; St. Vincent.

salina (Trochopus) Champion, 1898, Biol. C.-Am., Hem.-Het., II, p. 140, pl. 9, figs. 4♂, 5♀.

Habitat: Panama.

spinigera (Rhagovelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 132, 137, pl. 8, figs. 28♀, 28a.

Habitat: Guatemala.

tayloriella (Rhagovelia) Kirkaldy, 1900, Entomologist, XXXIII, p. 72.

Habitat: Jamaica.

tenuipes (Rhagovelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 132, 137, pl. 8, figs. 29♂, 30♀.

Habitat: Mexico.

traili (Neovelia) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 487.

Habitat: Brazil.

uncinata (Rhagovelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 132, 138, pl. 9, figs. 1, 2, 2a.

Habitat: Panama.

varipes (Rhagovelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 132, 133, pl. 8, fig. 22.

Habitat: Mexico.

whitei (Neovelia) Breddin, 1898, Jahrb. Magdeburg Soc., p. 14.

Habitat: South America.

Genus 5. MACROVELIA Uhler.

1872, Hayden's U. S. Geol. Surv. Mont., etc., p. 422.

hornii (Macrovelia) Uhler, 1872, Hayden's U. S. Geol. Surv. Mont., etc., p. 422.

Habitat: Colorado; New Mexico; Arizona; California.

Genus 8. MICROVELIA Westwood.

1834, Ann. Soc. Ent. France, III, p. 647.

Hydröessa Burmeister, 1835, Handb. Ent., II, p. 213.

Veliomorpha Carlini, 1895, Ann. Mus. Genov., XXXV, p. 120.

albonotata (Microvelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 127, 129, pl. 8, fig. 7.

Habitat: Guatemala.

americana (Hebrus) Uhler, 1883, Stand. Nat. Hist., II, p. 274.

Habitat: Ontario; New York; New Jersey; Pennsylvania; North Carolina; Kansas; Colorado.

capitata (Microvelia) Guérin, 1857, in Sagra's Hist. Cuba, pt. 2, VII, p. 174.

Habitat: Cuba; Grenada.

circumcineta (Microvelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 127, 129, pl. 8, fig. 16.

Habitat: Guatemala.

flavipes (Microvelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 126, 127, pl. 8, fig. 12.

Habitat: Mexico.

incerta (Rhagovelia) W. F. Kirby, 1890, Journ. Linn. Soc. Lond., Zool., XX, p. 548.

Habitat: South America; Fernando Noronha.

longipes (Microvelia) Uhler, 1894, Proc. Zool. Soc. Lond., p. 219.

Habitat: Grenada.

marginata (Microvelia) Uhler, 1893, Proc. Zool. Soc. Lond., p. 719.

Habitat: New Jersey to Florida; California; Mexico; Cuba; St. Vincent; Grenada; Trinidad.

mimula (Microvelia) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 487.

Habitat: Brazil.

modesta (Microvelia) Uhler, 1894, Proc. Zool. Soc. Lond., p. 220.

Habitat: Grenada.

paludicola (Microvelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 126, 127, pl. 8, fig. 13.

Habitat: Guatemala.

panamensis (Microvelia) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 126, 128, pl. 8, fig. 14.

Habitat: Panama.

- pulchella** (*Microvelia*) Westwood, 1834, Ann. Soc. Ent. France, III, p. 647, pl. 6, fig. 5.
 Habitat: West Indies.
- robusta** (*Microvelia*) Uhler, 1894, Proc. Zool. Soc. Lond., p. 219.
 Habitat: Grenada.
- rufescens** (*Microvelia*) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 127, 130, pl. 8, fig. 18.
 Habitat: Guatemala.
- setipes** (*Microvelia*) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 127, 130, pl. 8, fig. 19.
 Habitat: Mexico.
- signata** (*Microvelia*) Uhler, 1894, Proc. Cal. Acad. Sci., (2), IV, p. 289.
 Habitat: Mexico; Baja California.
- stellata** (*Microvelia*) Kirkaldy, 1902, Entomologist, XXXV, p. 281.
 Habitat: Ecuador.
- torquata** (*Microvelia*) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 127, 128, pl. 8, fig. 14.
 Habitat: Guatemala.
- vagans** (*Microvelia*) F. B. White, 1878, Ann. Mag. Nat. Hist., (5), I, p. 374.
 Habitat: Hawaii (undoubtedly introduced from America).

Subfamily 2. GERRINÆ.

Genus 1. GERRIS Fabricius.

1794, Ent. Syst., IV, p. 188.

Hydrometra Fabricius, 1803, Syst. Rhyng., p. 256 (not Latreille).

Limnotrechus Stål, 1868, Öfv. Vet.-Ak. Förh., XXV, p. 395.

canaliculatus (*Gerris*) Say, 1832, Descr. Het. Hem., p. — (Fitch reprint, p. 807); 1859, Compl. Wtgs., I, p. 363.

Habitat: New York; New Jersey; North Carolina; Georgia.

cariniventris (*Gerris*) Champion, 1898, Biol. C.-Am., Hem.-Het., II, p. 148, pl. 9, figs. 11, 12.

Habitat: Mexico; Guatemala; Costa Rica; Panama.

chilensis (*Limnotrechus*) Berg, 1881, An. Soc. Cient. Arg., XII, p. 263.

Habitat: Venezuela; Peru; Chile.

conformis (*Hygrotrechus*) Uhler, 1878, Proc. Bost. Soc. Nat. Hist., XIX, p. 435.

Habitat: Massachusetts; New York; New Jersey; Maryland; North Carolina.

fuscinervis (*Brachymetra*) Berg, 1898, Com. Mus. Buenos Aires, I, p. 3.

perseus (*Gerris*) Kirkaldy, 1890, Boll. Mus. Zool. Anat. Comp.

Torino, XIV, No. 351, p. 1.

andromeda (*Gerris*) Kirkaldy, 1899, Boll. Mus. Zool. Anat. Comp.

Torino, XIV, No. 351, p. 2, figs. 8, 9.

Habitat: Ecuador; Bolivia; Argentina.

flavolineatus (Gerris) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 145, 149, pl. 9, figs. 13, 13a, 14, 15.

Habitat: Mexico; Guatemala; Ecuador.

gillettei (Gerris) Lethierry et Sévérin, 1896, Cat. Gén. Hém., III, p. 60.

productus (Limnotrechus) Uhler, 1895, Bul. Colo. Agr. Exp. Sta., 31, p. 61 (preoc.).

Habitat: Colorado.

mexicanus (Gerris) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 145, 147, pl. 9, fig. 10.

Habitat: Mexico.

marginatus (Gerris) Say, 1832, Descr. Het. Hem., p. — (Fitch reprint, p. 807); 1859, Compl. Wtgs., I, p. 362.

Habitat: Ontario; Quebec; Maine; Connecticut; New York; New Jersey; Pennsylvania; District of Columbia; Virginia; North Carolina; Illinois; Michigan; Missouri; Kansas; Colorado; Oregon.

remigis (Gerris) Say, 1832, Descr. Het. Hem., p. — (Fitch reprint, p. 806); 1859, Compl. Wtgs., I, p. 362.

Habitat: Ontario; Maine; New York; New Jersey; Pennsylvania; Maryland; Illinois; Michigan; Texas; Colorado; Arizona; Oregon; California; Mexico; Guatemala.

orba (Gerris) Stål, 1859, Eugenie's Resa, Ins., p. 264.

Habitat: Oregon; California.

robustus (Hygrotrechus) Uhler, 1871, Silliman's Amer. Journ. Sci., p. 105.

Habitat: Arizona; California; Baja California; Mexico.

Genus 2. **TENAGOGONUS** Stål.

1853, Öfv. Vet.-Ak. Förh., x, p. 263.

Limnometra Mayr, 1865, Verh. zool.-bot. Ges. Wien, xv, p. 444.

opacus (Limnometra) Champion, 1898, Biol. C.-Am., Hem.-Het., II, p. 150, pl. 9, figs. 16, 16a.

Habitat: Costa Rica; Panama.

quadrilineatus (Limnometra) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 150, 151, pl. 9, fig. 17.

Habitat: Mexico; Costa Rica; Nicaragua; Brazil.

Genus 3. **LIMNOPORUS** Stål.

1868, Öfv. Vet.-Ak. Förh., xxv, p. 395.

rufoscutellatus (Gerris) Latreille, 1807, Gen. Ins., III, p. 134; Herrich-Schäffer, 1850, Wanz. Ins., IX, fig. 924.

Habitat: British Columbia; Ontario; Quebec; New York; New Jersey; Pennsylvania; Illinois; Michigan; Wisconsin; Colorado; Oregon.

Genus 4. LIMNOGONUS Stål.

1868, Hem. Fabr., I, p. 132.

Lamprotrechus Reuter, 1882, Öfv. Finska Vet. Soc. Förh., xxv, p. 40.*franciscanus* (Gerris) Stål, 1859, Eugenie's Resa, Ins., p. 265.

Habitat: California.

guérini (Gerris) Lethierry et Séverin, 1894, Cat. Gén. Hém., III, p. 61.*marginatus* (Gerris) Guérin, 1844, Icon. Regne An., Ins., p. 35¹, pl. 57, fig. 2.

Habitat: Mexico; British Honduras; Cuba; Jamaica; St. Vincent; Grenada.

hesione (Gerris) Kirkaldy, 1902, Entomologist, XXXV, p. 137.

Habitat: Florida.

hyalinus (Hydrometra) Fabricius, 1803, Syst. Rhyng., p. 258.

Habitat: Panama; Trinidad; French Guiana; Brazil; Ecuador.

lotus (Limnogonus) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 488.

Habitat: Brazil.

lubricus (Limnogonus) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 489.

Habitat: Brazil.

Genus 7. CYLINDROSTETHUS Fieber.

1860, Eur. Hem., p. 33.

Hydrobates Erichson, 1848, in Schomburgk's Faun. Brit. Guiana, III, p. 614 (preoc.).*erythropus* (Hydrometra) Herrich-Schäffer, 1850, Wanz. Ins., IX, p. 68, fig. 923.

Habitat: Brazil.

linearis (Hydrobates) Erichson, 1848, in Schomburgk's Faun. Brit. Guiana, III, p. 614.

Habitat: British Guiana.

regulus (Hydrobates) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 488.

Habitat: Brazil.

Genus 11. METROBATES Uhler.

1871, Proc. Bost. Soc. Nat. Hist., XIV, p. 108.

hesperius (Metrobates) Uhler, 1871, Proc. Bost. Soc. Nat. Hist., XIV, p. 108.

Habitat: New York; Maryland; North Carolina.

Genus 12. PLATYGERRIS F. B. White.

1883, Ent. Mo. Mag., xx, p. 36.

cæruleus (Platygerris) Champion, 1898, Biol. C.-Am., Hem.-Het., II, p. 157, pl. 9, fig. 25.

Habitat: Costa Rica.

depressus (Platygerris) F. B. White, 1883, Ent. Mo. Mag., xx, pp. 36, 39; Champion, Biol. C.-Am., Hem.-Het., II, pl. 9, figs. 23, 24, 24a.

Habitat: Mexico.

Genus 13. POTAMOBATES Champion.

1898, Biol. C.-Am., Hem.-Het., II, p. 154.

bidentatus (Potamobates) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 154, 155, pl. 9, figs. 22, 22a.

Habitat: Mexico; Ecuador.

unidentatus (Potamobates) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 154, 155, pl. 9, figs. 20, 20a, b, c, 21.

Habitat: Panama.

Genus 14. BRACHYMETRA Mayr.

1865, Verh. zool.-bot. Ges. Wien, xv, p. 445.

albinervus (Halobates) Amyot et Serville, 1843, Hist. Nat. Ins. Hém., p. 412; Mayr, 1866, Reise der Novara, Hem., pl. 5, figs. 55a, b.

Habitat: Panama; St. Vincent; Grenada; Brazil.

kleopatra (Brachymetra) Kirkaldy, 1899, Boll. Mus. Zool. Anat. Comp. Torino, XIV, No. 350, p. 3.

Habitat: Ecuador.

Genus 16. CHARMATOMETRA Kirkaldy.

1899, Ann. Soc. Ent. Belg., XLVIII, p. 509.

bakeri (Brachymetra) Kirkaldy, 1898, Entomologist, XXXI, p. 101.

Habitat: Colombia; Ecuador.

Genus 17. TELMATOBATES Berg.

1898, Comun. Mus. Nac. Buenos Aires, I, p. 4.

bonairensis (Telmatogetes) Berg, 1898, Comun. Mus. Nac. Buenos Aires, I, p. 5.

Habitat: Argentina.

Genus 18. TREPOBATOPSIS Champion.

1898, Biol. C.-Am., Hem.-Het., II, p. 157.

denticornis (Trepobatopsis) Champion, 1898, Biol. C.-Am., Hem.-Het., II, p. 158, pl. 9, figs. 26, 26a.

Habitat: Mexico.

Genus 19. KALLISTOMETRA Kirkaldy.

1899, Entomologist, XXXII, p. 28.

taylori (Kallistometra) Kirkaldy, 1899, Entomologist, XXXII, p. 28.
Habitat: Jamaica.

Genus 21. HALOBATOPSIS Bianchi.

1896, Ezheg. Zool. Mus. St. Peterbg., I, p. 70.

platensis (Trepobates) Berg, 1879, Hem. Arg., p. 183.
Habitat: Argentina.

Genus 23. TREPOBATES Uhler.

1894, Proc. Zool. Soc. Lond., p. 213.

Stephania F. B. White, 1883, Voy. Chall., Zool., VII, p. 79.
pictus (Halobates) Herrich-Schäffer, 1848 (?), Wanz. Ins., VIII, p. III,
figs. 882, 883.

Habitat: Massachusetts; New York; New Jersey; Pennsylvania;
Maryland; Virginia; North Carolina; Illinois; Tennessee;
Louisiana; Cuba; Grenada.

Genus 23a. TELMATOMETRA Bergroth.

1908, Ohio Nat., VIII, p. 374.

whitei Bergroth, 1908, Ohio Nat., VIII, p. 376.

Genus 24. RHEUMATOBATES Bergroth.

1892, Ins. Life, IV, p. 321.

Hymenobates Uhler, 1894, Proc. Zool. Soc. Lond., p. 214.
imitator (Hymenobates) Uhler, 1894, Proc. Zool. Soc. Lond., p. 214.
bergrothi (Rheumatobates) Meinert, 1895, Ent. Medd., V, p. 6,
pls. 1, 2.
Habitat: Grenada.

præposterus Bergroth, 1908, Ohio Nat., VIII, p. 376, figs. 4, 5.
Habitat: Guatemala.

rileyi (Rheumatobates) Bergroth, 1892, Ins. Life, IV, p. 321.
Habitat: New York; New Jersey; District of Columbia.
tenuipes (Rheumatobates) Meinert, 1895, Ent. Medd., V, p. 7.

rileyi (Rheumatobates) Bergroth, 1892, Ins. Life, IV, p. 321 (in
part).
Habitat: District of Columbia.

Genus 29. **HALOBATES** Eschscholtz.

1823, Nat. Abh. Dorpat, I, p. 163.

micans (*Halobates*) Eschscholtz, 1823, Nat. Abh. Dorpat, I, p. 163.
wüllerstorffi (*Halobates*) Frauenfeld, 1867, Verh. zool.-bot. Ges. Wien, XVII, p. 458; F. B. White, 1883, Rep. Chall. Exp., Zool., pl. I, fig. 2.

Habitat: Off coast of Brazil; Florida coast.

sericeus (*Halobates*) Eschscholtz, 1823, Nat. Abh. Dorpat, I, p. 163, pl. 2, fig. 4.

Habitat: Pacific Ocean, California to Chile.

Subfamily 3. **MESOVELIINÆ**.Genus 1. **MESOVELIA** Mulsant and Rey.

1852, Ann. Soc. Linn. Lyon, p. 138.

Fieberia Yakovlev, 1874, Trudy Russk. Ent., VII, p. 32.

amœna (*Mesovelia*) Uhler, 1894, Proc. Zool. Soc. Lond., p. 218.
Habitat: Grenada.

mulsanti (*Mesovelia*) F. B. White, 1879, Trans. Ent. Soc. Lond., p. 268; Champion, 1898, Biol. C.-Am., Hem.-Het., II, pl. 8, figs. I, II.

bisignata (*Mesovelia*) Uhler, 1883, Stand. Nat. Hist., II, p. 274, fig. 324.

Habitat: Massachusetts; New York; New Jersey; Maryland; North Carolina; Florida; Illinois; Texas; Mexico; Guatemala; Panama; Cuba; Guadeloupe; Santo Domingo; St. Vincent; Grenada; Brazil.^a

Subfamily 4. **HYDROMETRINÆ**.Genus 1. **HYDROMETRA** Latreille.

1796, Précis Charact. Gen. Ins., p. 86.

Limnobates Burmeister, 1835, Handb. Ent., II, p. 210.

agenor (*Hydrometra*) Kirkaldy, 1902, Entomologist, XXXV, p. 281.
Habitat: Ecuador.

argentina (*Hydrometra*) Berg, 1879, Hem. Arg., p. 182.
Habitat: Argentina; Brazil.

australis (*Hydrometra*) Say, 1832, Descr. Het. Hem., p. 35 (Fitch reprint, p. 807); 1859, Compl. Wtgs., I, p. 361; Bueno, 1905, Can. Ent., XXXVII, fig. 3.

Habitat: Georgia; Florida; Louisiana.

caraiba (*Hydrometra*) Guérin, 1856, in Sagra's Hist. Cuba, pt. 2, VII, p. 173.

Habitat: Panama; Cuba.

^a Distant, 1906, erroneously records it from the Oriental Region.

lentipes (Hydrometra) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 124, 125.

Habitat: Guatemala.

martini (Hydrometra) Kirkaldy, 1900, Entomologist, XXXIII, p. 175.

lineata (Hydrometra) Say, 1832, Descr. Het. Hem., p. 35 (Fitch reprint, p. 807); 1859, Compl. Wtgs., I, p. 361; Martin, 1900, Can. Ent., XXXII, pl. 3, figs. 1-10, text fig. 7.

Habitat: Ottawa, Ontario; New York; New Jersey; Pennsylvania; Maryland; District of Columbia; North Carolina; Florida; Indiana; Illinois; Louisiana; Texas; Mexico.

mensor (Hydrometra) F. B. White, 1879, Trans. Ent. Soc. Lond., p. 267.

Habitat: Brazil.

metator (Hydrometra) F. B. White, 1879, Journ. Linn. Soc. Lond., Zool., XIV, p. 486.

Habitat: Brazil.

naiades (Hydrometra) Kirkaldy, 1902, Entomologist, XXXV, p. 281.

mensor (Hydrometra) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 124, 125 (not F. B. White).

Habitat: Panama.

Family 3. NÆOGEIDÆ.

Hebridæ of authors.

Genus 1. NÆOGEUS Laporte.

1832, Essai Hém., p. 32.

Hebrus Curtis, 1833, Ent. Mag., I, p. 198.

bilineatus (Hebrus) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 118, 119, pl. 8, fig. 3.

Habitat: Mexico.

burmeisteri (Hebrus) Lethierry et Sévérin, 1896, Cat. Hém., III, p. 51.

pusillus (Hebrus) Burmeister, 1835, Handb. Ent., II, p. 214 (not Fallen).

Habitat: United States.

concinnus (Hebrus) Uhler, 1894, Proc. Zool. Soc. Lond., p. 221.

Habitat: Quebec; New York; New Jersey; Pennsylvania; Maryland; Illinois; Colorado; Washington State; California; Guatemala; Panama; Grenada.

consolidus (Hebrus) Uhler, 1894, Proc. Zool. Soc. Lond., p. 222; Champion, 1898, Biol. C.-Am., Hem.-Het., II, p. 119, pl. 8, fig. 4.

Habitat: Guatemala; Panama; Grenada.

hirsutus (Hebrus) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 118, 119, pl. 8, fig. 2.

Habitat: Mexico.

laeviventris (Hebrus) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 118, 120, pl. 8, fig. 5.

Habitat: Panama.

major (Hebrus) Champion, 1898, Biol. C.-Am., Hem.-Het., II, p. 118, pl. 8, fig. 1.

Habitat: Mexico.

parvulus (Hebrus) Stål, 1860, Svensk. Vet.-Ak. Handl., 2, No. 7, p. 60. Habitat: N. Brazil.

sobrinus (Hebrus) Uhler, 1877, Bul. U. S. Geol. and Geog. Surv., III, p. 452.

Habitat: Colorado.

sulcatus (Hebrus) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 118, 120, pl. 8, fig. 6.

Habitat: Panama.

Genus 2. MERRAGATA F. B. White.

1877, Ann. Mag. Nat. Hist., (4), xx, p. 113.

Lipogomphus Berg, 1879, Hem. Arg., p. 286.

brevis (Merragata) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 121, 122, pl. 8, fig. 9.

Habitat: Mexico; Guatemala; Panama.

hebroides (Merragata) F. B. White, 1877, Ann. Mag. Nat. Hist., (4), xx, p. 114; Champion, Biol. C.-Am., Hem.-Het., II, pl. 8, fig. 7.

Habitat: Mexico. (Also introduced into Hawaii.)

lacunifera (Lipogomphus) Berg, 1879, Hem. Arg., p. 287.

Habitat: Argentina.

leucosticta (Merragata) Champion, 1898, Biol. C.-Am., Hem.-Het., II, pp. 121, 122, pl. 8, fig. 8.

Habitat: Guatemala.
